

Bacterial biofilm development as a multicellular adaptive therapeutic strategies

Current Opinion in Microbiology

16, 580-589

DOI: [10.1016/j.mib.2013.06.013](https://doi.org/10.1016/j.mib.2013.06.013)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Importance of Biofilms in Urinary Tract Infections: New Therapeutic Approaches. <i>Advances in Biology</i> , 2014, 2014, 1-13.	1.2	133
2	<i>Staphylococcus aureus</i> biofilms: recent developments in biofilm dispersal. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 178.	1.8	485
3	Promises and failures of gallium as an antibacterial agent. <i>Future Microbiology</i> , 2014, 9, 379-397.	1.0	131
4	Broad-Spectrum Anti-biofilm Peptide That Targets a Cellular Stress Response. <i>PLoS Pathogens</i> , 2014, 10, e1004152.	2.1	433
5	Novel Formulations for Antimicrobial Peptides. <i>International Journal of Molecular Sciences</i> , 2014, 15, 18040-18083.	1.8	112
6	Effect of Bacteriophage Infection in Combination with Tobramycin on the Emergence of Resistance in <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> Biofilms. <i>Viruses</i> , 2014, 6, 3778-3786.	1.5	102
7	Microbial biofilm formation: a need to act. <i>Journal of Internal Medicine</i> , 2014, 276, 98-110.	2.7	144
8	Increased IL-8 production in human bronchial epithelial cells after exposure to azithromycin-pretreated <i>Pseudomonas aeruginosa</i> in vitro. <i>FEMS Microbiology Letters</i> , 2014, 355, 43-50.	0.7	2
9	Stress responses as determinants of antimicrobial resistance in <i>Pseudomonas aeruginosa</i> : multidrug efflux and more. <i>Canadian Journal of Microbiology</i> , 2014, 60, 783-791.	0.8	54
10	Anti-Biofilm and Immunomodulatory Activities of Peptides That Inhibit Biofilms Formed by Pathogens Isolated from Cystic Fibrosis Patients. <i>Antibiotics</i> , 2014, 3, 509-526.	1.5	49
11	Inhibition of microbial adhesion to plastic surface and human buccal epithelial cells by <i>Rhodomyrtus tomentosa</i> leaf extract. <i>Archives of Oral Biology</i> , 2014, 59, 1256-1265.	0.8	18
12	Healthcare-Associated Infections and Biofilms. , 2014, , 165-184.		2
13	Single cell growth rate and morphological dynamics revealing an "opportunistic" persistence. <i>Analyst</i> , The, 2014, 139, 3305-3313.	1.7	24
14	Antibiotic resistance in <i>Pseudomonas aeruginosa</i> biofilms: Towards the development of novel anti-biofilm therapies. <i>Journal of Biotechnology</i> , 2014, 191, 121-130.	1.9	266
15	A Broad-Spectrum Antibiofilm Peptide Enhances Antibiotic Action against Bacterial Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5363-5371.	1.4	262
16	In vitro synergism of fosfomycin and clarithromycin antimicrobials against methicillin-resistant <i>Staphylococcus pseudintermedius</i> . <i>BMC Microbiology</i> , 2014, 14, 129.	1.3	6
17	<i>Pseudomonas aeruginosa</i> Diversification during Infection Development in Cystic Fibrosis Lungs – A Review. <i>Pathogens</i> , 2014, 3, 680-703.	1.2	231
18	<i>Streptococcus pneumoniae</i> biofilm formation and dispersion during colonization and disease. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 194.	1.8	144

#	ARTICLE	IF	CITATIONS
19	Effect of carbon on whole-biofilm metabolic response to high doses of streptomycin. <i>Frontiers in Microbiology</i> , 2015, 6, 953.	1.5	16
20	Review - Understanding β -lactamase Producing <i>Klebsiella pneumoniae</i> . , 0, , .		3
21	Antimicrobial Biomaterials and Their Potential Application in Ophthalmology. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2015, 13, 346-350.	0.7	4
22	Potential of ciprofloxacin action against Gram-negative bacterial biofilms by a nitroxide. <i>Pathogens and Disease</i> , 2015, 73, .	0.8	36
23	An in situ Raman spectroscopy-based microfluidic "lab-on-a-chip" platform for non-destructive and continuous characterization of <i>Pseudomonas aeruginosa</i> biofilms. <i>Chemical Communications</i> , 2015, 51, 8966-8969.	2.2	31
24	Curcumin rescues <i>Caenorhabditis elegans</i> from a <i>Burkholderia pseudomallei</i> infection. <i>Frontiers in Microbiology</i> , 2015, 6, 290.	1.5	33
25	The Potential of Metal Nanoparticles for Inhibition of Bacterial Biofilms. , 2015, , 119-132.		3
26	Defensive remodeling: How bacterial surface properties and biofilm formation promote resistance to antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 3089-3100.	1.4	73
27	High throughput screening methods for assessing antibiofilm and immunomodulatory activities of synthetic peptides. <i>Peptides</i> , 2015, 71, 276-285.	1.2	89
28	Potential complications when developing gene deletion clones in <i>Xylella fastidiosa</i> . <i>BMC Research Notes</i> , 2015, 8, 155.	0.6	2
29	Antibiofilm Peptides Increase the Susceptibility of Carbapenemase-Producing <i>Klebsiella pneumoniae</i> Clinical Isolates to β -Lactam Antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 3906-3912.	1.4	97
30	Pediatric Cystic Fibrosis Sputum Can Be Chemically Dynamic, Anoxic, and Extremely Reduced Due to Hydrogen Sulfide Formation. <i>MBio</i> , 2015, 6, e00767.	1.8	137
31	Targeting <i>Enterococcus faecalis</i> Biofilms with Phage Therapy. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2696-2705.	1.4	164
32	Strategies for combating bacterial biofilm infections. <i>International Journal of Oral Science</i> , 2015, 7, 1-7.	3.6	696
33	Natural Green Coating Inhibits Adhesion of Clinically Important Bacteria. <i>Scientific Reports</i> , 2015, 5, 8287.	1.6	55
34	D-Enantiomeric Peptides that Eradicate Wild-Type and Multidrug-Resistant Biofilms and Protect against Lethal <i>Pseudomonas aeruginosa</i> Infections. <i>Chemistry and Biology</i> , 2015, 22, 196-205.	6.2	268
35	Scratching the surface " tobacco-induced bacterial biofilms. <i>Tobacco Induced Diseases</i> , 2015, 13, 1.	0.3	42
36	Next generation sequencing analysis reveals that the ribonucleases RNase II, RNase R and PNPase affect bacterial motility and biofilm formation in <i>E. coli</i> . <i>BMC Genomics</i> , 2015, 16, 72.	1.2	63

#	ARTICLE	IF	CITATIONS
37	Metal-Based Antibacterial Substrates for Biomedical Applications. <i>Biomacromolecules</i> , 2015, 16, 1873-1885.	2.6	139
38	Rethinking evolutionary individuality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10126-10132.	3.3	73
39	Chemorepulsion from the Quorum Signal Autoinducer-2 Promotes <i>Helicobacter pylori</i> Biofilm Dispersal. <i>MBio</i> , 2015, 6, e00379.	1.8	84
40	Antibiotic Discovery: Combatting Bacterial Resistance in Cells and in Biofilm Communities. <i>Molecules</i> , 2015, 20, 5286-5298.	1.7	276
41	Evaluation of Natural Products against Biofilm-Mediated Bacterial Resistance. , 2015, , 321-338.		4
42	Microbial Biofilms in Endodontics. , 2015, , 1-14.		0
43	Rethinking the Antibiotic Discovery Paradigm. <i>EBioMedicine</i> , 2015, 2, 629-630.	2.7	22
44	Evaluation of baicalein, chitosan and usnic acid effect on <i>Candida parapsilosis</i> and <i>Candida krusei</i> biofilm using a Cellavista device. <i>Journal of Microbiological Methods</i> , 2015, 118, 106-112.	0.7	23
45	Antibiotic Adjuvants: Diverse Strategies for Controlling Drug-Resistant Pathogens. <i>Chemical Biology and Drug Design</i> , 2015, 85, 56-78.	1.5	245
46	Peptide IDR1018: modulating the immune system and targeting bacterial biofilms to treat antibiotic-resistant bacterial infections. <i>Journal of Peptide Science</i> , 2015, 21, 323-329.	0.8	173
47	Detection of the contamination sources of <i>Listeria monocytogenes</i> in pickled white cheese production process line and genotyping with the pulsed-field gel electrophoresis method. <i>Turkish Journal of Veterinary and Animal Sciences</i> , 2016, 40, 630-636.	0.2	2
48	Prediction of Biofilm Inhibiting Peptides: An In silico Approach. <i>Frontiers in Microbiology</i> , 2016, 7, 949.	1.5	46
49	5-Episinuleptolide Decreases the Expression of the Extracellular Matrix in Early Biofilm Formation of Multi-Drug Resistant <i>Acinetobacter baumannii</i> . <i>Marine Drugs</i> , 2016, 14, 143.	2.2	27
50	New Perspectives on the Use of Phytochemicals as an Emergent Strategy to Control Bacterial Infections Including Biofilms. <i>Molecules</i> , 2016, 21, 877.	1.7	172
51	Efficacy of the Quorum Sensing Inhibitor FS10 Alone and in Combination with Tigecycline in an Animal Model of Staphylococcal Infected Wound. <i>PLoS ONE</i> , 2016, 11, e0151956.	1.1	45
52	Tissue repair in myxobacteria: A cooperative strategy to heal cellular damage. <i>BioEssays</i> , 2016, 38, 306-315.	1.2	22
53	Optical disassembly of cellular clusters by tunable "tug-of-war" tweezers. <i>Light: Science and Applications</i> , 2016, 5, e16158-e16158.	7.7	47
54	Phage therapy against <i>Enterococcus faecalis</i> in dental root canals. <i>Journal of Oral Microbiology</i> , 2016, 8, 32157.	1.2	73

#	ARTICLE	IF	CITATIONS
55	Coupling spatial segregation with synthetic circuits to control bacterial survival. <i>Molecular Systems Biology</i> , 2016, 12, 859.	3.2	33
56	Toxic anterior segment syndrome caused by autoclave reservoir wall biofilms and their residual toxins. <i>Journal of Cataract and Refractive Surgery</i> , 2016, 42, 1602-1614.	0.7	19
57	A polyalanine peptide derived from polar fish with anti-infectious activities. <i>Scientific Reports</i> , 2016, 6, 21385.	1.6	46
58	Design of an α -helical antimicrobial peptide with improved cell-selective and potent anti-biofilm activity. <i>Scientific Reports</i> , 2016, 6, 27394.	1.6	127
59	Using Competing Bacterial Communication to Disassemble Biofilms. , 2016, , .		7
60	Understanding, preventing and eradicating <i>Klebsiella pneumoniae</i> biofilms. <i>Future Microbiology</i> , 2016, 11, 527-538.	1.0	24
61	The <i>Acinetobacter baumannii</i> Two-Component System AdeRS Regulates Genes Required for Multidrug Efflux, Biofilm Formation, and Virulence in a Strain-Specific Manner. <i>MBio</i> , 2016, 7, e00430-16.	1.8	115
62	<i>In Situ</i> Biomineralization and Particle Deposition Distinctively Mediate Biofilm Susceptibility to Chlorine. <i>Applied and Environmental Microbiology</i> , 2016, 82, 2886-2892.	1.4	23
63	Characterization of biosurfactants produced by <i>Lactobacillus</i> spp. and their activity against oral streptococci biofilm. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6767-6777.	1.7	45
64	<i>In Vitro</i> interference of cefotaxime at subinhibitory concentrations on biofilm formation by nontypeable <i>Haemophilus influenzae</i> . <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2016, 6, 745-750.	0.5	3
65	Extracellular DNA Targeting Nanomaterial for Effective Elimination of Biofilm. <i>ChemNanoMat</i> , 2016, 2, 879-887.	1.5	8
66	Inhibition of mixed fungal and bacterial biofilms on silicone by carboxymethyl chitosan. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 193-199.	2.5	39
68	Design of an anti-adhesive surface by a pilicide strategy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 895-901.	2.5	7
69	Long-term antibiofilm activity of carboxymethyl chitosan on mixed biofilm on silicone. <i>Laryngoscope</i> , 2016, 126, E404-E408.	1.1	21
70	Chitosanase purified from bacterial isolate <i>Bacillus licheniformis</i> of ruined vegetables displays broad spectrum biofilm inhibition. <i>Microbial Pathogenesis</i> , 2016, 100, 257-262.	1.3	21
71	dPABs: A Novel <i>in silico</i> Approach for Predicting and Designing Anti-biofilm Peptides. <i>Scientific Reports</i> , 2016, 6, 21839.	1.6	84
72	Bacteria in the respiratory tract—how to treat? Or do not treat?. <i>International Journal of Infectious Diseases</i> , 2016, 51, 113-122.	1.5	38
73	Oxygen-Free Condition Inhibited Biofilm Formation in Extraintestinal Pathogenic <i>Escherichia coli</i> Strain PPECC42 Through Preventing Curli Production. <i>Current Microbiology</i> , 2016, 73, 153-158.	1.0	1

#	ARTICLE	IF	CITATIONS
74	Evaluation of the Susceptibility of Multispecies Biofilms in Dentinal Tubules to Disinfecting Solutions. <i>Journal of Endodontics</i> , 2016, 42, 1246-1250.	1.4	35
75	The role of biofilm on orthopaedic implants: the "Holy Grail" of post-traumatic infection management?. <i>European Journal of Trauma and Emergency Surgery</i> , 2016, 42, 411-416.	0.8	36
76	Microbial Biofilms in Pulmonary and Critical Care Diseases. <i>Annals of the American Thoracic Society</i> , 2016, 13, 1615-1623.	1.5	74
77	Mind "De GaPP" in vitro efficacy of deferiprone and gallium"protoporphyrin against <i>Staphylococcus aureus</i> biofilms. <i>International Forum of Allergy and Rhinology</i> , 2016, 6, 737-743.	1.5	39
78	<i>Listeria monocytogenes</i> " An examination of food chain factors potentially contributing to antimicrobial resistance. <i>Food Microbiology</i> , 2016, 54, 178-189.	2.1	92
79	Ultrastructural effects and antibiofilm activity of LFchimera against <i>Burkholderia pseudomallei</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2016, 32, 33.	1.7	11
80	Alternatives to antibiotics" a pipeline portfolio review. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 239-251.	4.6	720
81	A 3D numerical study of antimicrobial persistence in heterogeneous multi-species biofilms. <i>Journal of Theoretical Biology</i> , 2016, 392, 83-98.	0.8	36
82	New frontiers for anti-biofilm drug development. , 2016, 160, 133-144.		110
83	Levels of selection in biofilms: multispecies biofilms are not evolutionary individuals. <i>Biology and Philosophy</i> , 2016, 31, 191-212.	0.7	52
84	Large-scale biofilm cultivation of Antarctic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC125 for physiologic studies and drug discovery. <i>Extremophiles</i> , 2016, 20, 227-234.	0.9	9
85	The Relationship of Bacterial Biofilms and Capsular Contracture in Breast Implants. <i>Aesthetic Surgery Journal</i> , 2016, 36, 297-309.	0.9	129
86	Hierarchical nanostructures of Au@ZnO: antibacterial and antibiofilm agent. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 5849-5858.	1.7	23
87	Effect of different agents with potential antibiofilm activity on antimicrobial susceptibility of biofilms formed by <i>Staphylococcus</i> spp. isolated from implant-related infections. <i>Journal of Antibiotics</i> , 2016, 69, 686-688.	1.0	6
88	Synthetic antibiofilm peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1061-1069.	1.4	173
89	Biofilm, pathogenesis and prevention" a journey to break the wall: a review. <i>Archives of Microbiology</i> , 2016, 198, 1-15.	1.0	325
90	Mechanisms of resistance to aminoglycoside antibiotics: overview and perspectives. <i>MedChemComm</i> , 2016, 7, 11-27.	3.5	359
91	Antimicrobial evaluation of selected naturally occurring oxyprenylated secondary metabolites. <i>Natural Product Research</i> , 2016, 30, 1870-1874.	1.0	7

#	ARTICLE	IF	CITATIONS
92	Low-dose irradiation affects the functional behavior of oral microbiota in the context of mucositis. <i>Experimental Biology and Medicine</i> , 2016, 241, 60-70.	1.1	23
93	CasUL: A new lectin isolated from <i>Calliandra surinamensis</i> leaf pinnulae with cytotoxicity to cancer cells, antimicrobial activity and antibiofilm effect. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 419-429.	3.6	68
94	Host defense peptide-derived privileged scaffolds for anti-infective drug discovery. <i>Journal of Peptide Science</i> , 2017, 23, 303-310.	0.8	9
95	Effects of phenyllactic acid as sanitizing agent for inactivation of <i>Listeria monocytogenes</i> biofilms. <i>Food Control</i> , 2017, 78, 72-78.	2.8	55
96	LL-37-derived membrane-active FK-13 analogs possessing cell selectivity, anti-biofilm activity and synergy with chloramphenicol and anti-inflammatory activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 722-733.	1.4	74
97	New Mouse Model for Chronic Infections by Gram-Negative Bacteria Enabling the Study of Anti-Infective Efficacy and Host-Microbe Interactions. <i>MBio</i> , 2017, 8, .	1.8	97
98	Air pollution alters <i>Staphylococcus aureus</i> and <i>Streptococcus pneumoniae</i> biofilms, antibiotic tolerance and colonisation. <i>Environmental Microbiology</i> , 2017, 19, 1868-1880.	1.8	65
99	New approaches to combat <i>Porphyromonas gingivalis</i> biofilms. <i>Journal of Oral Microbiology</i> , 2017, 9, 1300366.	1.2	36
100	Defining Genetic Fitness Determinants and Creating Genomic Resources for an Oral Pathogen. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	22
101	A network perspective on antimicrobial peptide combination therapies: the potential of colistin, polymyxin B and nisin. <i>International Journal of Antimicrobial Agents</i> , 2017, 49, 668-676.	1.1	19
102	Toxin-antitoxin systems and their role in disseminating and maintaining antimicrobial resistance. <i>FEMS Microbiology Reviews</i> , 2017, 41, 343-353.	3.9	99
103	What fertility specialists should know about the vaginal microbiome: a review. <i>Reproductive BioMedicine Online</i> , 2017, 35, 103-112.	1.1	68
104	Disruption of drug-resistant biofilms using de novo designed short α -helical antimicrobial peptides with idealized facial amphiphilicity. <i>Acta Biomaterialia</i> , 2017, 57, 103-114.	4.1	77
105	CRISPR-Cas9 technology: applications in genome engineering, development of sequence-specific antimicrobials, and future prospects. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 109-122.	0.6	47
106	Anti-adhesive antimicrobial peptide coating prevents catheter associated infection in a mouse urinary infection model. <i>Biomaterials</i> , 2017, 116, 69-81.	5.7	203
107	Comparative NanoUPLC-MSE analysis between magainin I-susceptible and -resistant <i>Escherichia coli</i> strains. <i>Scientific Reports</i> , 2017, 7, 4197.	1.6	14
108	Reshaping antibiotics through hydrophobic drug-bile acid ionic complexation enhances activity against <i>Staphylococcus aureus</i> biofilms. <i>International Journal of Pharmaceutics</i> , 2017, 528, 144-162.	2.6	10
110	Antibiotic Capture by Bacterial Lipocalins Uncovers an Extracellular Mechanism of Intrinsic Antibiotic Resistance. <i>MBio</i> , 2017, 8, .	1.8	31

#	ARTICLE	IF	CITATIONS
111	Antimicrobial Peptides: An Introduction. <i>Methods in Molecular Biology</i> , 2017, 1548, 3-22.	0.4	197
112	Antibiofilm efficacy of green synthesized graphene oxide-silver nanocomposite using <i>Lagerstroemia speciosa</i> floral extract: A comparative study on inhibition of gram-positive and gram-negative biofilms. <i>Microbial Pathogenesis</i> , 2017, 103, 167-177.	1.3	68
113	Antibiofilm Effect of D-enantiomeric Peptide Alone and Combined with EDTA In Vitro. <i>Journal of Endodontics</i> , 2017, 43, 1862-1867.	1.4	22
114	Biofilm-Related Diseases and Omics: Global Transcriptional Profiling of <i>Enterococcus faecium</i> Reveals Different Gene Expression Patterns in the Biofilm and Planktonic Cells. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 592-602.	1.0	29
115	Immunogenicity and antimicrobial effectiveness of <i>Pseudomonas aeruginosa</i> specific bacteriophage in a human lung in vitro model. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7977-7985.	1.7	20
116	A review of chitosan's effect on oral biofilms: Perspectives from the tube to the mouth. <i>Journal of Oral Biosciences</i> , 2017, 59, 205-210.	0.8	23
117	Repurposing AM404 for the treatment of oral infections by <i>Porphyromonas gingivalis</i> . <i>Clinical and Experimental Dental Research</i> , 2017, 3, 69-76.	0.8	8
118	Can microbial cells develop resistance to oxidative stress in antimicrobial photodynamic inactivation?. <i>Drug Resistance Updates</i> , 2017, 31, 31-42.	6.5	216
119	Niclosamide as a promising antibiofilm agent. <i>Microbiology</i> , 2017, 86, 455-462.	0.5	22
120	Quantitative and synthetic biology approaches to combat bacterial pathogens. <i>Current Opinion in Biomedical Engineering</i> , 2017, 4, 116-126.	1.8	4
121	Antimicrobial and antibiofilm efficacy of self-cleaning surfaces functionalized by TiO ₂ photocatalytic nanoparticles against <i>Staphylococcus aureus</i> and <i>Pseudomonas putida</i> . <i>Journal of Hazardous Materials</i> , 2017, 340, 160-170.	6.5	100
122	Commensal coagulase-negative <i>Staphylococcus</i> from the udder of healthy cows inhibits biofilm formation of mastitis-related pathogens. <i>Veterinary Microbiology</i> , 2017, 207, 259-266.	0.8	27
123	Bacterial resistance to antimicrobial agents and its impact on veterinary and human medicine. <i>Veterinary Dermatology</i> , 2017, 28, 82.	0.4	74
124	<i>Staphylococcus aureus</i> Biofilms and their Impact on the Medical Field. , 0, , .		26
125	Alternative strategies for the study and treatment of clinical bacterial biofilms. <i>Emerging Topics in Life Sciences</i> , 2017, 1, 41-53.	1.1	12
126	Molecular Dynamics Simulations of the Host Defense Peptide Temporin L and Its Q3K Derivative: An Atomic Level View from Aggregation in Water to Bilayer Perturbation. <i>Molecules</i> , 2017, 22, 1235.	1.7	13
127	Cationic Biomimetic Particles of Polystyrene/Cationic Bilayer/Gramicidin for Optimal Bactericidal Activity. <i>Nanomaterials</i> , 2017, 7, 422.	1.9	20
128	A Nuclease from <i>Streptococcus mutans</i> Facilitates Biofilm Dispersal and Escape from Killing by Neutrophil Extracellular Traps. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 97.	1.8	30

#	ARTICLE	IF	CITATIONS
129	Activity of Bacteriophages in Removing Biofilms of <i>Pseudomonas aeruginosa</i> Isolates from Chronic Rhinosinusitis Patients. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 418.	1.8	132
130	<i>Enterococcus hirae</i> biofilm formation on hospital material surfaces and effect of new biocides. <i>Environmental Health and Preventive Medicine</i> , 2017, 22, 63.	1.4	11
131	Chemical composition, anti-biofilm activity and potential cytotoxic effect on cancer cells of <i>Rosmarinus officinalis</i> L. essential oil from Tunisia. <i>Lipids in Health and Disease</i> , 2017, 16, 190.	1.2	63
132	The Pathogenesis of <i>Escherichia coli</i> Urinary Tract Infection. , 0, , .		12
133	A Cytocompatible Zinc Oxide Nanocomposite Loaded with an Amphiphilic Arsenal for Alleviation of <i>Staphylococcus</i> Biofilm. <i>ChemistrySelect</i> , 2018, 3, 2492-2497.	0.7	3
134	The teleos of metallo-reduction and metallo-oxidation in eukaryotic iron and copper trafficking. <i>Metallomics</i> , 2018, 10, 370-377.	1.0	22
135	A 3D individual-based model to investigate the spatially heterogeneous response of bacterial biofilms to antimicrobial agents. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 8571-8588.	1.2	5
136	Computer-aided Discovery of Peptides that Specifically Attack Bacterial Biofilms. <i>Scientific Reports</i> , 2018, 8, 1871.	1.6	92
137	Less Blue, More Clean: Cu ₂ O nano-cubic functionalized hydrogel for the energy transformation of light-emitting screens. <i>RSC Advances</i> , 2018, 8, 5468-5472.	1.7	3
138	The Essential Tension. <i>The Frontiers Collection</i> , 2018, , .	0.1	6
139	<i>In vitro</i> antibiofilm and anti-adhesion effects of magnesium oxide nanoparticles against antibiotic resistant bacteria. <i>Microbiology and Immunology</i> , 2018, 62, 211-220.	0.7	61
140	New Perspectives in Biofilm Eradication. <i>ACS Infectious Diseases</i> , 2018, 4, 93-106.	1.8	147
141	Emergent heterogeneous microenvironments in biofilms: substratum surface heterogeneity and bacterial adhesion force-sensing. <i>FEMS Microbiology Reviews</i> , 2018, 42, 259-272.	3.9	66
142	The attachment potential and N-acyl-homoserine lactone-based quorum sensing in aerobic granular sludge and algal-bacterial granular sludge. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5343-5353.	1.7	41
143	Identification and characterisation of <i>Staphylococcus aureus</i> on low cost screen printed carbon electrodes using impedance spectroscopy. <i>Biosensors and Bioelectronics</i> , 2018, 110, 65-70.	5.3	46
144	Nanoemulsions containing <i>Cymbopogon flexuosus</i> essential oil: Development, characterization, stability study and evaluation of antimicrobial and antibiofilm activities. <i>Microbial Pathogenesis</i> , 2018, 118, 268-276.	1.3	71
146	Anti-Virulence Factor Therapeutics. , 2018, , 439-461.		0
147	Biofilms. <i>The Frontiers Collection</i> , 2018, , 153-173.	0.1	0

#	ARTICLE	IF	CITATIONS
148	Antibacterial surfaces prepared by electrospray coating of photocatalytic nanoparticles. <i>Chemical Engineering Journal</i> , 2018, 334, 1108-1118.	6.6	42
149	Implication of Quorum Sensing System in Biofilm Formation and Virulence. , 2018, , .		1
150	Quorum Sensing in Mycobacterium Tuberculosis: Its Role in Biofilms and Pathogenesis. , 2018, , 329-335.		0
151	Polynitroxide copolymers to reduce biofilm fouling on surfaces. <i>Polymer Chemistry</i> , 2018, 9, 5308-5318.	1.9	26
152	Efficacy of Ethanol Extract from Leaves Of <i>Malva parviflora</i> to Inhibit Bacterial Biofilm Formation. <i>Journal of Molecular Biology Research</i> , 2018, 8, 23.	0.1	0
153	Subinhibitory Concentrations of Amoxicillin, Lincomycin, and Oxytetracycline Commonly Used to Treat Swine Increase <i>Streptococcus suis</i> Biofilm Formation. <i>Frontiers in Microbiology</i> , 2018, 9, 2707.	1.5	25
154	Transcriptomics Study on <i>Staphylococcus aureus</i> Biofilm Under Low Concentration of Ampicillin. <i>Frontiers in Microbiology</i> , 2018, 9, 2413.	1.5	51
155	A Novel Lipopeptaibol Emericellipsin A with Antimicrobial and Antitumor Activity Produced by the Extremophilic Fungus <i>Emericellopsis alkalina</i> . <i>Molecules</i> , 2018, 23, 2785.	1.7	53
156	Adaptive Antibiotic Resistance: Overview and Perspectives. <i>Journal of Infectious Disease and Therapy</i> , 2018, 06, .	0.1	11
157	The impact of medicinal brines on microbial biofilm formation on inhalation equipment surfaces. <i>Biofouling</i> , 2018, 34, 963-975.	0.8	2
158	Action of Antimicrobial Peptides against Bacterial Biofilms. <i>Materials</i> , 2018, 11, 2468.	1.3	186
159	Bone Environment Influences Irreversible Adhesion of a Methicillin-Susceptible <i>Staphylococcus aureus</i> Strain. <i>Frontiers in Microbiology</i> , 2018, 9, 2865.	1.5	18
160	In vitro and in vivo accumulation of magnetic nanoporous silica nanoparticles on implant materials with different magnetic properties. <i>Journal of Nanobiotechnology</i> , 2018, 16, 96.	4.2	14
161	Drug-free antibacterial polymers for biomedical applications. <i>Biomedical Science and Engineering</i> , 2018, 2, .	0.0	5
162	Pse-T2, an Antimicrobial Peptide with High-Level, Broad-Spectrum Antimicrobial Potency and Skin Biocompatibility against Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	37
163	Analysis of Different Parameters Affecting Diffusion, Propagation and Survival of Staphylophages in Bacterial Biofilms. <i>Frontiers in Microbiology</i> , 2018, 9, 2348.	1.5	43
164	Electrospun Composite Membranes for Fouling and Biofouling Control. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 14561-14570.	1.8	16
165	Characterization of <i>lasR</i> -deficient clinical isolates of <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2018, 8, 13344.	1.6	52

#	ARTICLE	IF	CITATIONS
166	Surfing Motility: a Conserved yet Diverse Adaptation among Motile Bacteria. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	32
167	Study of the Interactions Between Bacteriophage phiPLA-RODI and Four Chemical Disinfectants for the Elimination of <i>Staphylococcus aureus</i> Contamination. <i>Viruses</i> , 2018, 10, 103.	1.5	33
168	Microbiology of the Built Environment in Spacecraft Used for Human Flight. <i>Methods in Microbiology</i> , 2018, , 3-26.	0.4	9
169	Promising Antibiofilm Activity of Peptidomimetics. <i>Frontiers in Microbiology</i> , 2018, 9, 2157.	1.5	19
170	Hydrogel Effects Rapid Biofilm Debridement with ex situ Contact-Kill to Eliminate Multidrug Resistant Bacteria in vivo. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20356-20367.	4.0	51
171	Evaluating the Duration of Prophylactic Post-Operative Antibiotic Agents after Open Reduction Internal Fixation for Closed Fractures. <i>Surgical Infections</i> , 2018, 19, 535-540.	0.7	4
172	Development of Molecularly Imprinted Polymers To Block Quorum Sensing and Inhibit Bacterial Biofilm Formation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18450-18457.	4.0	44
173	Anaerobic bacteria cultured from cystic fibrosis airways correlate to milder disease: a multisite study. <i>European Respiratory Journal</i> , 2018, 52, 1800242.	3.1	69
174	Vision for medicine: <i>Staphylococcus aureus</i> biofilm war and unlocking key's for anti-biofilm drug development. <i>Microbial Pathogenesis</i> , 2018, 123, 339-347.	1.3	69
175	BrlR from <i>Pseudomonas aeruginosa</i> is a receptor for both cyclic di-GMP and pyocyanin. <i>Nature Communications</i> , 2018, 9, 2563.	5.8	33
176	Antibiofilm peptides against biofilms on titanium and hydroxyapatite surfaces. <i>Bioactive Materials</i> , 2018, 3, 418-425.	8.6	38
177	Echinodermata: The Complex Immune System in Echinoderms. , 2018, , 409-501.		62
178	Interference in Bacterial Quorum Sensing: A Biopharmaceutical Perspective. <i>Frontiers in Pharmacology</i> , 2018, 9, 203.	1.6	230
179	Biofilm formation on abiotic surfaces and their redox activity. <i>Current Opinion in Electrochemistry</i> , 2018, 12, 121-128.	2.5	20
180	Acute toxicity and antimicrobial activity of leaf tincture <i>Baccharis trimera</i> (Less). <i>Biomedical Journal</i> , 2018, 41, 194-201.	1.4	6
181	Electrochemically Synthesized Silver Nanoparticles Are Active Against Planktonic and Biofilm Cells of <i>Pseudomonas aeruginosa</i> and Other Cystic Fibrosis-Associated Bacterial Pathogens. <i>Frontiers in Microbiology</i> , 2018, 9, 1349.	1.5	48
182	Peptides containing d -amino acids and retro-inverso peptides. , 2018, , 131-155.		14
183	Overexpression of Outer Membrane Protein X (OmpX) Compensates for the Effect of TolC Inactivation on Biofilm Formation and Curli Production in Extraintestinal Pathogenic <i>Escherichia coli</i> (ExPEC). <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 208.	1.8	21

#	ARTICLE	IF	CITATIONS
184	Streptococcus pneumoniae's Virulence and Host Immunity: Aging, Diagnostics, and Prevention. <i>Frontiers in Immunology</i> , 2018, 9, 1366.	2.2	164
185	Defeating Antibiotic- and Phage-Resistant <i>Enterococcus faecalis</i> Using a Phage Cocktail in Vitro and in a Clot Model. <i>Frontiers in Microbiology</i> , 2018, 9, 326.	1.5	59
186	LyeTxI-b, a Synthetic Peptide Derived From <i>Lycosa erythrognatha</i> Spider Venom, Shows Potent Antibiotic Activity in Vitro and in Vivo. <i>Frontiers in Microbiology</i> , 2018, 9, 667.	1.5	28
187	Critical Assessment of Methods to Quantify Biofilm Growth and Evaluate Antibiofilm Activity of Host Defence Peptides. <i>Biomolecules</i> , 2018, 8, 29.	1.8	170
188	Monohexosylceramides from <i>Rhizopus</i> Species Isolated from Brazilian Caatinga: Chemical Characterization and Evaluation of Their Anti-Biofilm and Antibacterial Activities. <i>Molecules</i> , 2018, 23, 1331.	1.7	6
189	Different Dose-Dependent Modes of Action of C-Type Natriuretic Peptide on <i>Pseudomonas aeruginosa</i> Biofilm Formation. <i>Pathogens</i> , 2018, 7, 47.	1.2	10
190	Plant Secondary Metabolite-Derived Polymers: A Potential Approach to Develop Antimicrobial Films. <i>Polymers</i> , 2018, 10, 515.	2.0	24
191	Host defense (antimicrobial) peptides. , 2018, , 253-285.		28
192	<i>Staphylococcus aureus</i> Evasion of Host Immunity in the Setting of Prosthetic Joint Infection: Biofilm and Beyond. <i>Current Reviews in Musculoskeletal Medicine</i> , 2018, 11, 389-400.	1.3	107
193	Inhibition and Eradication of <i>Pseudomonas aeruginosa</i> Biofilms by Host Defence Peptides. <i>Scientific Reports</i> , 2018, 8, 10446.	1.6	69
194	Genetic Mechanisms of Antibiotic Resistance and the Role of Antibiotic Adjuvants. <i>Current Topics in Medicinal Chemistry</i> , 2018, 18, 42-74.	1.0	28
195	Susceptibility patterns and the role of extracellular DNA in <i>Staphylococcus epidermidis</i> biofilm resistance to physico-chemical stress exposure. <i>BMC Microbiology</i> , 2018, 18, 40.	1.3	16
196	Antiplanktonic, antibiofilm, antismotility and quorum sensing activities of green synthesized Ag@TiO ₂ , TiO ₂ @Ag, Ag@Cu and Cu@Ag nanocomposites against multi-drug-resistant bacteria. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 399-413.	1.9	75
197	Emergence of Antibiotic Resistance in <i>Listeria monocytogenes</i> Isolated from Food Products: A Comprehensive Review. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2018, 17, 1277-1292.	5.9	149
198	Cold atmospheric plasma is a viable solution for treating orthopedic infection: a review. <i>Biological Chemistry</i> , 2018, 400, 77-86.	1.2	17
199	Fundamentals of Bacterial Biofilm: Present State of Art. , 2018, , 43-60.		3
200	Bacteria-Derived Carbon Dots Inhibit Biofilm Formation of <i>Escherichia coli</i> without Affecting Cell Growth. <i>Frontiers in Microbiology</i> , 2018, 9, 259.	1.5	77
201	Identification of Novel Cryptic Multifunctional Antimicrobial Peptides from the Human Stomach Enabled by a Computational-Experimental Platform. <i>ACS Synthetic Biology</i> , 2018, 7, 2105-2115.	1.9	63

#	ARTICLE	IF	CITATIONS
202	Bacterial-Mediated Biofouling: Fundamentals and Control Techniques. , 2018, , 263-284.		2
203	Effect of resveratrol and Regrapex-R-forte on <i>Trichosporon cutaneum</i> biofilm. <i>Folia Microbiologica</i> , 2019, 64, 73-81.	1.1	5
204	Effectiveness of low concentration of sodium hypochlorite activated by Er,Cr:YSGG laser against <i>Enterococcus faecalis</i> biofilm. <i>Lasers in Medical Science</i> , 2019, 34, 247-254.	1.0	21
205	Functional characterization of two novel peptides and their analogs identified from the skin secretion of <i>Indosylvirana aurantiaca</i> , an endemic frog species of Western Ghats, India. <i>Chemoecology</i> , 2019, 29, 179-187.	0.6	4
206	Evaluation of <i>Salmonella bongori</i> derived biosurfactants and its extracellular protein separation by SDS-PAGE using petridishes: A simply modified approach. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 156-167.	3.6	3
207	A simple surface biofunctionalization strategy to inhibit the biofilm formation by <i>Staphylococcus aureus</i> on solid substrates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110432.	2.5	7
208	Computer-Aided Design of Mastoparan-like Peptides Enables the Generation of Nontoxic Variants with Extended Antibacterial Properties. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 8140-8151.	2.9	19
209	Effectiveness of Biosynthesized Trimetallic Au/Pt/Ag Nanoparticles on Planktonic and Biofilm <i>Enterococcus faecalis</i> and <i>Enterococcus faecium</i> Forms. <i>Journal of Cluster Science</i> , 2019, 30, 1091-1101.	1.7	21
210	Preliminary Assessment of Visible, Near-Infrared, and Short-Wavelengthâ€“Infrared Spectroscopy with a Portable Instrument for the Detection of <i>Staphylococcus aureus</i> Biofilms on Surfaces. <i>Journal of Food Protection</i> , 2019, 82, 1314-1319.	0.8	3
211	Antimicrobial resistance three ways: healthcare crisis, major concepts and the relevance of biofilms. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	34
212	Biofilms: The Microbial â€œProtective Clothingâ€“in Extreme Environments. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3423.	1.8	482
213	One-pot synthesis of ZnO nanobelt-like structures in hyaluronan hydrogels for wound dressing applications. <i>Carbohydrate Polymers</i> , 2019, 223, 115124.	5.1	55
214	Controlling biofilm formation with nitroxide functional surfaces. <i>Polymer Chemistry</i> , 2019, 10, 4252-4258.	1.9	15
215	Hydrogenâ€“Peroxideâ€“Generating Electrochemical Scaffold Eradicates Methicillinâ€“Resistant <i>Staphylococcus aureus</i> Biofilms. <i>Global Challenges</i> , 2019, 3, 1800101.	1.8	15
217	Differential Susceptibility of Catheter Biomaterials to Biofilm-Associated Infections and Their Remedy by Drug-Encapsulated Eudragit RL100 Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5110.	1.8	19
218	Aspirin Effect on <i>Staphylococcus aureus</i> â€“Platelet Interactions During Infectious Endocarditis. <i>Frontiers in Medicine</i> , 2019, 6, 217.	1.2	19
219	<i>Vibrio harveyi</i> biofilm as immunostimulant candidate for high-health pacific white shrimp, <i>Penaeus vannamei</i> farming. <i>Fish and Shellfish Immunology</i> , 2019, 95, 498-505.	1.6	21
220	Fabrication of Robust Antibacterial Coatings Based on an Organicâ€“Inorganic Hybrid System. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42607-42615.	4.0	30

#	ARTICLE	IF	CITATIONS
221	The Perfect Bacteriophage for Therapeutic Applicationsâ€”A Quick Guide. <i>Antibiotics</i> , 2019, 8, 126.	1.5	83
222	Antimicrobial and Antibiofilm Activities of Helical Antimicrobial Peptide Sequences Incorporating Metal-Binding Motifs. <i>Biochemistry</i> , 2019, 58, 3802-3812.	1.2	32
223	Antibiotic Resistant <i>Pseudomonas</i> Spp. Spoilers in Fresh Dairy Products: An Underestimated Risk and the Control Strategies. <i>Foods</i> , 2019, 8, 372.	1.9	61
224	Role of Exopolysaccharides in Biofilm Formation. <i>ACS Symposium Series</i> , 2019, , 17-57.	0.5	13
225	Conceptual Model of Biofilm Antibiotic Tolerance That Integrates Phenomena of Diffusion, Metabolism, Gene Expression, and Physiology. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	57
226	Epidemiological Characteristics of <i>Staphylococcus Aureus</i> in Raw Goat Milk in Shaanxi Province, China. <i>Antibiotics</i> , 2019, 8, 141.	1.5	12
227	Discovery and Therapeutic Targeting of Differentiated Biofilm Subpopulations. <i>Frontiers in Microbiology</i> , 2019, 10, 1908.	1.5	28
228	Synthesis, In Silico, and In Vitro Evaluation of Long Chain Alkyl Amides from 2-Amino-4-Quinolone Derivatives as Biofilm Inhibitors. <i>Molecules</i> , 2019, 24, 327.	1.7	10
229	Antimicrobial random peptide cocktails: a new approach to fight pathogenic bacteria. <i>Chemical Communications</i> , 2019, 55, 2007-2014.	2.2	50
230	Detection of respiration changes inside biofilms with microelectrodes during exposure to antibiotics. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 202-207.	0.9	6
231	Evaluation of the Chemical Composition, the Antioxidant and Antimicrobial Activities of <i>Mentha Ã— piperita</i> Essential Oil against Microbial Growth and Biofilm Formation. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2019, 22, 335-346.	0.7	14
232	Toward Autonomous Antibiotic Discovery. <i>MSystems</i> , 2019, 4, .	1.7	17
233	Ironing out pyoverdineâ€™s chromophore structure: serendipity or design?. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 659-673.	1.1	5
234	A short peptide with selective anti-biofilm activity against <i>Pseudomonas aeruginosa</i> and <i>Klebsiella pneumoniae</i> carbapenemase-producing bacteria. <i>Microbial Pathogenesis</i> , 2019, 135, 103605.	1.3	7
235	Antibacterial and antibiofilm activity of acetone leaf extracts of nine under-investigated south African <i>Eugenia</i> and <i>Syzygium</i> (Myrtaceae) species and their selectivity indices. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 141.	3.7	119
236	Current Understanding of Group A Streptococcal Biofilms. <i>Current Drug Targets</i> , 2019, 20, 982-993.	1.0	21
237	Identification of Extracellular DNA-Binding Proteins in the Biofilm Matrix. <i>MBio</i> , 2019, 10, .	1.8	108
238	Enzyme responsive copolymer micelles enhance the anti-biofilm efficacy of the antiseptic chlorhexidine. <i>International Journal of Pharmaceutics</i> , 2019, 566, 329-341.	2.6	30

#	ARTICLE	IF	CITATIONS
239	Antimicrobial peptides Pep19-2.5 and Pep19-4LF inhibit <i>Streptococcus mutans</i> growth and biofilm formation. <i>Microbial Pathogenesis</i> , 2019, 133, 103546.	1.3	11
240	Biofilm Bridges Forming Structural Networks on Patterned Lubricant-Infused Surfaces. <i>Advanced Science</i> , 2019, 6, 1900519.	5.6	33
241	Antibiotics versus biofilm: an emerging battleground in microbial communities. <i>Antimicrobial Resistance and Infection Control</i> , 2019, 8, 76.	1.5	856
242	Anti-biofilm activities of essential oils rich in carvacrol and thymol against <i>Salmonella</i> <i>Enteritidis</i> . <i>Biofouling</i> , 2019, 35, 361-375.	0.8	85
243	Synergistic and antibiofilm activity of the antimicrobial peptide P5 against carbapenem-resistant <i>Pseudomonas aeruginosa</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 1329-1337.	1.4	47
244	Phenazine-1-carboxamide functionalized mesoporous silica nanoparticles as antimicrobial coatings on silicone urethral catheters. <i>Scientific Reports</i> , 2019, 9, 6198.	1.6	35
245	The Autotransporter IcsA Promotes <i>Shigella flexneri</i> Biofilm Formation in the Presence of Bile Salts. <i>Infection and Immunity</i> , 2019, 87, .	1.0	23
246	Auranofin Releasing Antibacterial and Antibiofilm Polyurethane Intravascular Catheter Coatings. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 37.	1.8	28
247	Resistant cutoff values and optimal scheme establishments for florfenicol against <i>Escherichia coli</i> with PK/PD modeling analysis in pigs. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019, 42, 324-335.	0.6	3
248	Mucus penetration enhanced lipid polymer nanoparticles improve the eradication rate of <i>Helicobacter pylori</i> biofilm. <i>Journal of Controlled Release</i> , 2019, 300, 52-63.	4.8	74
249	The Many Facets of the Small Non-coding RNA RsaE (RoxS) in Metabolic Niche Adaptation of Gram-Positive Bacteria. <i>Journal of Molecular Biology</i> , 2019, 431, 4684-4698.	2.0	11
250	Rapid Identification of Biofilms Using a Robust Multichannel Polymer Sensor Array. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11202-11208.	4.0	39
251	Profiling the susceptibility of <i>Pseudomonas aeruginosa</i> strains from acute and chronic infections to cell-wall-targeting immune proteins. <i>Scientific Reports</i> , 2019, 9, 3575.	1.6	10
252	Dismantling the bacterial virulence program. <i>Microbial Biotechnology</i> , 2019, 12, 409-413.	2.0	9
253	The small non-coding RNA RsaE influences extracellular matrix composition in <i>Staphylococcus epidermidis</i> biofilm communities. <i>PLoS Pathogens</i> , 2019, 15, e1007618.	2.1	33
254	Bacterial Polysaccharides. <i>Methods in Molecular Biology</i> , 2019, , .	0.4	1
255	High-Throughput Screening for Inhibitors of Wall Teichoic Acid Biosynthesis in <i>Staphylococcus aureus</i> . <i>Methods in Molecular Biology</i> , 2019, 1954, 297-308.	0.4	5
256	Transcriptional regulation of <i>Yersinia pestis</i> biofilm formation. <i>Microbial Pathogenesis</i> , 2019, 131, 212-217.	1.3	5

#	ARTICLE	IF	CITATIONS
257	Biofilm Formation by Shiga Toxin-Producing <i>Escherichia coli</i> on Stainless Steel Coupons as Affected by Temperature and Incubation Time. <i>Microorganisms</i> , 2019, 7, 95.	1.6	35
258	Rhamnolipid-involved antibiotics combinations improve the eradication of <i>Helicobacter pylori</i> biofilm in vitro: A comparison with conventional triple therapy. <i>Microbial Pathogenesis</i> , 2019, 131, 112-119.	1.3	22
259	Hydrophobic and antimicrobial dentin: A peptide-based 2-tier protective system for dental resin composite restorations. <i>Acta Biomaterialia</i> , 2019, 88, 251-265.	4.1	47
260	Motility, Biofilm Formation and Antimicrobial Efflux of Sessile and Planktonic Cells of <i>Achromobacter xylosoxidans</i> . <i>Pathogens</i> , 2019, 8, 14.	1.2	28
261	Hypochlorous-Acid-Generating Electrochemical Scaffold for Treatment of Wound Biofilms. <i>Scientific Reports</i> , 2019, 9, 2683.	1.6	43
262	Triterpene Derivatives as Relevant Scaffold for New Antibiofilm Drugs. <i>Biomolecules</i> , 2019, 9, 58.	1.8	29
263	Microbial Biofilms. , 2019, , .		0
264	Diterpenes isolated from <i>Croton blanchetianus</i> Baill: Potential compounds in prevention and control of the oral <i>Streptococci</i> biofilms. <i>Industrial Crops and Products</i> , 2019, 131, 371-377.	2.5	13
265	Broad-Spectrum Bioactivity of Chitosan N-acetylglucosaminohydrolase (Chitosan NAGH) Extracted from <i>Bacillus ligninophilus</i> . <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1221-1227.	0.7	1
266	Strategies to Overcome Antimicrobial Resistance (AMR) Making Use of Non-Essential Target Inhibitors: A Review. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5844.	1.8	129
267	Biofilms in Human Diseases: Treatment and Control. , 2019, , .		6
268	Reprogramming biological peptides to combat infectious diseases. <i>Chemical Communications</i> , 2019, 55, 15020-15032.	2.2	45
269	Bio-Guided Fractionation of Prenylated Benzaldehyde Derivatives as Potent Antimicrobial and Antibiofilm from <i>Ammi majus</i> L. Fruits-Associated <i>Aspergillus amstelodami</i> . <i>Molecules</i> , 2019, 24, 4118.	1.7	35
270	Explication of the Potential of 2-Hydroxy-4-Methoxybenzaldehyde in Hampering Uropathogenic <i>Proteus mirabilis</i> Crystalline Biofilm and Virulence. <i>Frontiers in Microbiology</i> , 2019, 10, 2804.	1.5	22
271	<p>Enhanced Anti-Bacterial Activity Of Biogenic Silver Nanoparticles Synthesized From <i>Terminalia mantaly</i> Extracts</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 9031-9046.	3.3	52
272	Biofilm formation on Titanium and Titanium Oxide and its Characterization and Electrochemical Properties. <i>International Journal of Electrochemical Science</i> , 2019, , 10162-10175.	0.5	0
273	In Silico Design, Synthesis, and In Vitro Evaluation of Novel Amphipathic Short Linear Peptides Against Clinically Relevant Bacterial Biofilms. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 1075-1085.	0.9	1
274	Safety and efficacy of a bacteriophage cocktail in an in vivo model of <i>Pseudomonas aeruginosa</i> sinusitis. <i>Translational Research</i> , 2019, 206, 41-56.	2.2	27

#	ARTICLE	IF	CITATIONS
275	Peptide Design Principles for Antimicrobial Applications. <i>Journal of Molecular Biology</i> , 2019, 431, 3547-3567.	2.0	273
276	Inhibition of Wild Enterobacter cloacae Biofilm Formation by Nanostructured Graphene- and Hexagonal Boron Nitride-Coated Surfaces. <i>Nanomaterials</i> , 2019, 9, 49.	1.9	27
277	Aurein-Derived Antimicrobial Peptides Formulated with Pegylated Phospholipid Micelles to Target Methicillin-Resistant <i>Staphylococcus aureus</i> Skin Infections. <i>ACS Infectious Diseases</i> , 2019, 5, 443-453.	1.8	48
278	Model-Based Drug Development in Pulmonary Delivery: Pharmacokinetic Analysis of Novel Drug Candidates for Treatment of <i>Pseudomonas aeruginosa</i> Lung Infection. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 630-640.	1.6	14
279	Virulence, attachment and invasion of Caco-2 cells by multidrug-resistant bacteria isolated from wild animals. <i>Microbial Pathogenesis</i> , 2019, 128, 230-235.	1.3	8
280	Butenolide, a Marine-Derived Broad-Spectrum Antibiofilm Agent Against Both Gram-Positive and Gram-Negative Pathogenic Bacteria. <i>Marine Biotechnology</i> , 2019, 21, 88-98.	1.1	32
281	Dose-Dependent Synergistic Interactions of Colistin with Rifampin, Meropenem, and Tigecycline against Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	19
282	Adaptation and diversification in virulence factors among urinary catheter-associated <i>Pseudomonas aeruginosa</i> isolates. <i>Journal of Applied Microbiology</i> , 2019, 126, 641-650.	1.4	17
283	Total coliform inactivation in natural water by UV/H ₂ O ₂ , UV/US, and UV/US/H ₂ O ₂ systems. <i>Environmental Science and Pollution Research</i> , 2019, 26, 4462-4473.	2.7	14
284	Antimicrobial coatings prepared from Dhvar-5-click-grafted chitosan powders. <i>Acta Biomaterialia</i> , 2019, 84, 242-256.	4.1	46
285	The novel cationic cell-penetrating peptide PEP-NJSM is highly active against <i>Staphylococcus epidermidis</i> biofilm. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 262-269.	3.6	18
286	Effects of statins on multispecies oral biofilm identify simvastatin as a drug candidate targeting <i>Porphyromonas gingivalis</i> . <i>Journal of Periodontology</i> , 2019, 90, 637-646.	1.7	13
287	Antibacterial and anti-biofilm activity, and mechanism of action of pleurocidin against drug resistant <i>Staphylococcus aureus</i> . <i>Microbial Pathogenesis</i> , 2019, 127, 70-78.	1.3	34
288	Kinetics Study of Antimicrobial Peptide, Melittin, in Simultaneous Biofilm Degradation and Eradication of Potent Biofilm Producing MDR <i>Pseudomonas aeruginosa</i> Isolates. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 329-338.	0.9	22
289	Impairment of <i>Cronobacter sakazakii</i> and <i>Listeria monocytogenes</i> biofilms by cell-free preparations of lactobacilli of goat milk origin. <i>Folia Microbiologica</i> , 2020, 65, 185-196.	1.1	15
290	Quantification of Multiple Bacteria in Calcified Structural Valvular Heart Disease. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2020, 32, 255-263.	0.4	3
291	A biocompatible bacterial cellulose/tannic acid composite with antibacterial and anti-biofilm activities for biomedical applications. <i>Materials Science and Engineering C</i> , 2020, 106, 110249.	3.8	105
292	Effect and mechanism of quorum sensing on horizontal transfer of multidrug plasmid RP4 in BAC biofilm. <i>Science of the Total Environment</i> , 2020, 698, 134236.	3.9	51

#	ARTICLE	IF	CITATIONS
293	Antibacterial activity of LaNiO ₃ prepared by sonicated sol-gel method using combination fuel. <i>International Nano Letters</i> , 2020, 10, 23-31.	2.3	8
294	Photochemically-Generated Silver Chloride Nanoparticles Stabilized by a Peptide Inhibitor of Cell Division and Its Antimicrobial Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 2464-2474.	1.9	8
295	Antibiotic Resistance of <i>Escherichia coli</i> from Humans and Black Rhinoceroses in Kenya. <i>EcoHealth</i> , 2020, 17, 41-51.	0.9	7
296	Homogeneous Distribution of Magnetic, Antimicrobial-Carrying Nanoparticles through an Infectious Biofilm Enhances Biofilm-Killing Efficacy. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 205-212.	2.6	31
297	Antibacterial, anti-biofilm and in vivo activities of the antimicrobial peptides P5 and P6.2. <i>Microbial Pathogenesis</i> , 2020, 139, 103886.	1.3	12
298	Structural Basis for the Inhibitor and Substrate Specificity of the Unique Fph Serine Hydrolases of <i>Staphylococcus aureus</i> . <i>ACS Infectious Diseases</i> , 2020, 6, 2771-2782.	1.8	14
299	<i>Cutibacterium acnes</i> Biofilm Study during Bone Cells Interaction. <i>Microorganisms</i> , 2020, 8, 1409.	1.6	6
300	Antimicrobial mechanism of <i>Larimichthys crocea</i> whey acidic protein-derived peptide (LCWAP) against <i>Staphylococcus aureus</i> and its application in milk. <i>International Journal of Food Microbiology</i> , 2020, 335, 108891.	2.1	30
301	The Antibacterial and Anti-Biofilm Activity of Metal Complexes Incorporating 3,6,9-Trioxaundecanedioate and 1,10-Phenanthroline Ligands in Clinical Isolates of <i>Pseudomonas aeruginosa</i> from Irish Cystic Fibrosis Patients. <i>Antibiotics</i> , 2020, 9, 674.	1.5	10
302	Physical methods for controlling bacterial colonization on polymer surfaces. <i>Biotechnology Advances</i> , 2020, 43, 107586.	6.0	40
303	Synergistic effect of chlorogenic acid and levofloxacin against <i>Klebsiella pneumonia</i> infection in vitro and in vivo. <i>Scientific Reports</i> , 2020, 10, 20013.	1.6	24
304	Multifunctional Synthetic Amphiphile for Niche Therapeutic Applications: Mitigation of MRSA Biofilms and Potential in Wound Healing. <i>ACS Applied Bio Materials</i> , 2020, 3, 8830-8840.	2.3	12
305	Impact of dust on airborne <i>Staphylococcus aureus</i> ™ viability, culturability, inflammogenicity, and biofilm forming capacity. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 230, 113608.	2.1	18
306	A novel bacterial biofilms eradication strategy based on the microneedles with antibacterial properties. <i>Procedia CIRP</i> , 2020, 89, 159-163.	1.0	12
307	Investigation on the effect of vitamin C on growth & biofilm-forming potential of <i>Streptococcus mutans</i> isolated from patients with dental caries. <i>BMC Microbiology</i> , 2020, 20, 231.	1.3	15
308	<p>Tailoring Nanoparticle-Biofilm Interactions to Increase the Efficacy of Antimicrobial Agents Against Staphylococcus aureus</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4779-4791.	3.3	36
309	Potential of electrospun cellulose acetate nanofiber mat integrated with silver nanoparticles from <i>Azadirachta indica</i> as antimicrobial agent. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	6
310	Unravelling the mechanism of action of &œde novo& designed peptide P1 with model membranes and gram-positive and gram-negative bacteria. <i>Archives of Biochemistry and Biophysics</i> , 2020, 693, 108549.	1.4	14

#	ARTICLE	IF	CITATIONS
311	Mechanisms and Control Measures of Mature Biofilm Resistance to Antimicrobial Agents in the Clinical Context. <i>ACS Omega</i> , 2020, 5, 22684-22690.	1.6	69
312	Mannose functionalized chitosan nanosystems for enhanced antimicrobial activity against multidrug resistant pathogens. <i>Polymer Testing</i> , 2020, 91, 106814.	2.3	28
313	Strain-specific anti-biofilm and antibiotic-potentiating activity of 3,4-difluoroquercetin. <i>Scientific Reports</i> , 2020, 10, 14162.	1.6	6
314	A novel mouse model of chronic suppurative otitis media and its use in preclinical antibiotic evaluation. <i>Science Advances</i> , 2020, 6, eabc1828.	4.7	14
315	Hydrogen Peroxide-Generating Electrochemical Scaffold Activity against Trispecies Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	8
316	NtrBC Regulates Invasiveness and Virulence of <i>Pseudomonas aeruginosa</i> During High-Density Infection. <i>Frontiers in Microbiology</i> , 2020, 11, 773.	1.5	19
317	Synthetic anti-endotoxin peptides interfere with Gram-positive and Gram-negative bacteria, their adhesion and biofilm formation on titanium. <i>Journal of Applied Microbiology</i> , 2020, 129, 1272-1286.	1.4	8
318	Introducing Chemistry Students to Emerging Technologies in Gene Editing, Their Applications, and Ethical Considerations. <i>Journal of Chemical Education</i> , 2020, 97, 1931-1943.	1.1	5
319	The anti-adhesive and anti-invasive effects of recombinant azurin on the interaction between enteric pathogens (invasive/non-invasive) and Caco-2 cells. <i>Microbial Pathogenesis</i> , 2020, 147, 104246.	1.3	8
320	The wasp venom antimicrobial peptide <scp>polybiaâ€CP</scp> and its synthetic derivatives display antiplasmodial and anticancer properties. <i>Bioengineering and Translational Medicine</i> , 2020, 5, e10167.	3.9	17
321	Microplastics provide new microbial niches in aquatic environments. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 6501-6511.	1.7	217
322	Abundant Extractable Metabolites from Temperate Tree Barks: The Specific Antimicrobial Activity of <i>Prunus Avium</i> Extracts. <i>Antibiotics</i> , 2020, 9, 111.	1.5	13
323	Diffusion maps of <i>Bacillus subtilis</i> biofilms via magnetic resonance imaging highlight a complex network of channels. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110905.	2.5	5
324	Photoinactivation of <i>Moraxella catarrhalis</i> Using 405nm Blue Light: Implications for the Treatment of Otitis Media. <i>Photochemistry and Photobiology</i> , 2020, 96, 611-617.	1.3	12
325	Antibacterial Efficacy of Two Commercially Available Bacteriophage Formulations, Staphylococcal Bacteriophage and PYO Bacteriophage, Against Methicillin-Resistant <i>Staphylococcus aureus</i> : Prevention and Eradication of Biofilm Formation and Control of a Systemic Infection of <i>Galleria mellonella</i> Larvae. <i>Frontiers in Microbiology</i> , 2020, 11, 110.	1.5	44
326	The value of antimicrobial peptides in the age of resistance. <i>Lancet Infectious Diseases</i> , The, 2020, 20, e216-e230.	4.6	573
327	Bacterial Sensing and Biofilm Monitoring for Infection Diagnostics. <i>Macromolecular Bioscience</i> , 2020, 20, e2000129.	2.1	19
328	Progress and prospects in the management of bacterial infections and developments in Phytotherapeutic modalities. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 1107-1119.	0.9	10

#	ARTICLE	IF	CITATIONS
329	Changes in the community structure of the symbiotic microbes of wild amphibians from the eastern edge of the Tibetan Plateau. <i>MicrobiologyOpen</i> , 2020, 9, e1004.	1.2	21
330	Silver-incorporated hydroxyapatite- α -albumin microspheres with bactericidal effects. <i>Journal of the Korean Ceramic Society</i> , 2020, 57, 175-183.	1.1	17
331	Model-Informed Drug Development in Pulmonary Delivery: Semimechanistic Pharmacokinetic-Pharmacodynamic Modeling for Evaluation of Treatments against Chronic <i>Pseudomonas aeruginosa</i> Lung Infections. <i>Molecular Pharmaceutics</i> , 2020, 17, 1458-1469.	2.3	8
332	Effects of biotic and abiotic factors on biofilm growth dynamics and their heterogeneous response to antibiotic challenge. <i>Journal of Biosciences</i> , 2020, 45, 1.	0.5	13
333	Effect of Silver Nanoparticles on Biofilm Formation and EPS Production of Multidrug-Resistant <i>Klebsiella pneumoniae</i> . <i>BioMed Research International</i> , 2020, 2020, 1-9.	0.9	90
334	Impact of the antibiotic-cargo from MSNs on gram-positive and gram-negative bacterial biofilms. <i>Microporous and Mesoporous Materials</i> , 2021, 311, 110681.	2.2	20
335	In vitro analysis of green fabricated silver nanoparticles (AgNPs) against <i>Pseudomonas aeruginosa</i> PA14 biofilm formation, their application on urinary catheter. <i>Progress in Organic Coatings</i> , 2021, 151, 106058.	1.9	60
336	Biofilm and Antimicrobial Resistance. , 2021, , 183-208.		6
337	Antibiofilm peptides: overcoming biofilm-related treatment failure. <i>RSC Advances</i> , 2021, 11, 2718-2728.	1.7	28
338	Coatable and Resistance-Proof Ionic Liquid for Pathogen Eradication. <i>ACS Nano</i> , 2021, 15, 966-978.	7.3	28
339	AHL-Based QS Modulation and Inhibition of Biofilm Forming Foot Ulcer Pathogens by Selected Medicinal Plants. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
340	An expanding bacterial colony forms a depletion zone with growing droplets. <i>Soft Matter</i> , 2021, 17, 2315-2326.	1.2	5
341	Microbial Metabolic Genes Crucial for <i>S. aureus</i> Biofilms: An Insight From Re-analysis of Publicly Available Microarray Datasets. <i>Frontiers in Microbiology</i> , 2020, 11, 607002.	1.5	7
342	In vitro and In vivo Antibacterial Effects of Nisin Against <i>Streptococcus suis</i> . <i>Probiotics and Antimicrobial Proteins</i> , 2021, 13, 598-610.	1.9	8
343	Microbial volatiles: small molecules with an important role in intra- and interbacterial genus interactions-quorum sensing. , 2021, , 35-50.		1
344	Quantification of <i>Staphylococcus aureus</i> Biofilm Formation by Crystal Violet and Confocal Microscopy. <i>Methods in Molecular Biology</i> , 2021, 2341, 69-78.	0.4	12
345	Antibiofilm Peptides: Relevant Preclinical Animal Infection Models and Translational Potential. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 55-73.	2.5	23
346	Antimicrobial photodynamic therapy (aPDT) for biofilm treatments. Possible synergy between aPDT and pulsed electric fields. <i>Virulence</i> , 2021, 12, 2247-2272.	1.8	29

#	ARTICLE	IF	CITATIONS
347	Polyalanine peptide variations may have different mechanisms of action against multidrug-resistant bacterial pathogens. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 1174-1186.	1.3	6
348	In Vitro Biofilm Formation in <i>Mycobacterium avium-intracellulare</i> Complex. <i>Archivos De Bronconeumologia</i> , 2021, 57, 140-141.	0.4	0
350	Interaction of implant infection-related commensal bacteria with mesenchymal stem cells: a comparison between <i>Cutibacterium acnes</i> and <i>Staphylococcus aureus</i> . <i>FEMS Microbiology Letters</i> , 2021, 368, .	0.7	5
351	pH Adaptation Drives Diverse Phenotypes in a Beneficial Bacterium-Host Mutualism. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	4
352	In Vitro Biofilm Formation in <i>Mycobacterium avium-intracellulare</i> Complex. <i>Archivos De Bronconeumologia</i> , 2021, 57, 140-141.	0.4	1
353	Using <i>Bacillus subtilis</i> as a Host Cell to Express an Antimicrobial Peptide from the Marine Chordate <i>Ciona intestinalis</i> . <i>Marine Drugs</i> , 2021, 19, 111.	2.2	7
354	Therapy of infected wounds: overcoming clinical challenges by advanced drug delivery systems. <i>Drug Delivery and Translational Research</i> , 2021, 11, 1545-1567.	3.0	60
355	Expression of NanoLuc Luciferase in <i>Listeria innocua</i> for Development of Biofilm Assay. <i>Frontiers in Microbiology</i> , 2021, 12, 636421.	1.5	7
356	Molecular characteristics and <i>in vitro</i> effects of antimicrobial combinations on planktonic and biofilm forms of <i>Elizabethkingia anophelis</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 1205-1214.	1.3	9
357	Therapeutic Potential of Green Synthesized Metallic Nanoparticles Against <i>Staphylococcus aureus</i> . <i>Current Drug Research Reviews</i> , 2021, 13, 172-183.	0.7	5
358	Comparative Proteomic Analyses Between Biofilm-Forming and Non-biofilm-Forming Strains of <i>Corynebacterium pseudotuberculosis</i> Isolated From Goats. <i>Frontiers in Veterinary Science</i> , 2021, 8, 614011.	0.9	6
360	<i>In vitro</i> anti-biofilm efficacy of sanguinarine against carbapenem-resistant <i>Serratia marcescens</i> . <i>Biofouling</i> , 2021, 37, 341-351.	0.8	18
361	Liposome as a delivery system for the treatment of biofilm-mediated infections. <i>Journal of Applied Microbiology</i> , 2021, 131, 2626-2639.	1.4	42
363	Polyelectrolyte Substrate Coating for Controlling Biofilm Growth at Solid-Air Interface. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001807.	1.9	8
364	Swarming bacteria undergo localized dynamic phase transition to form stress-induced biofilms. <i>ELife</i> , 2021, 10, .	2.8	39
365	Antimicrobial Resistance in <i>Pseudomonas aeruginosa</i> : A Concise Review. , 0, , .		9
366	Surface functionalization of titanium substrates with Deoxyribonuclease I inhibit peri-implant bacterial infection. <i>Dental Materials Journal</i> , 2021, 40, 322-330.	0.8	2
367	Synergistic action of phage phiPLA-RODI and lytic protein CHAPSH3b: a combination strategy to target <i>Staphylococcus aureus</i> biofilms. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 39.	2.9	34

#	ARTICLE	IF	CITATIONS
368	Targeting Biofilm of MDR <i>Providencia stuartii</i> by Phages Using a Catheter Model. <i>Antibiotics</i> , 2021, 10, 375.	1.5	13
369	An Overview of Biological and Computational Methods for Designing Mechanism-Informed Anti-biofilm Agents. <i>Frontiers in Microbiology</i> , 2021, 12, 640787.	1.5	25
370	Microbial community compositions in breast implant biofilms associated with contracted capsules. <i>PLoS ONE</i> , 2021, 16, e0249261.	1.1	13
371	A quest to the therapeutic arsenal: Novel strategies to combat multidrug-resistant bacteria. <i>Current Gene Therapy</i> , 2021, 21, .	0.9	3
373	Dual-functional antibiofilm polymer composite for biodegradable medical devices. <i>Materials Science and Engineering C</i> , 2021, 123, 111985.	3.8	9
374	Novel Strategies to Combat Bacterial Biofilms. <i>Molecular Biotechnology</i> , 2021, 63, 569-586.	1.3	36
375	<i>In Vitro</i> Antibacterial Activity of Hydrogen Peroxide and Hypochlorous Acid, Including That Generated by Electrochemical Scaffolds. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	1.4	15
376	Efficacy of Phage- and Bacteriocin-Based Therapies in Combatting Nosocomial MRSA Infections. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 654038.	1.6	20
377	Bacterial Biofilm Inhibition: A Focused Review on Recent Therapeutic Strategies for Combating the Biofilm Mediated Infections. <i>Frontiers in Microbiology</i> , 2021, 12, 676458.	1.5	143
378	The effects of biofilms on tumor progression in a 3D cancer-biofilm microfluidic model. <i>Biosensors and Bioelectronics</i> , 2021, 180, 113113.	5.3	22
379	Identification of the Active Principle Conferring Anti-Inflammatory and Antinociceptive Properties in Bamboo Plant. <i>Molecules</i> , 2021, 26, 3054.	1.7	1
380	Biofilm-Protected Catheters Nanolaminated by Multiple Atomic-Layer-Deposited Oxide Films. <i>ACS Applied Nano Materials</i> , 2021, 4, 6398-6406.	2.4	1
381	NtrBC Selectively Regulates Host-Pathogen Interactions, Virulence, and Ciprofloxacin Susceptibility of <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 694789.	1.8	2
382	Trans-Cinnamaldehyde Attenuates <i>Enterococcus faecalis</i> Virulence and Inhibits Biofilm Formation. <i>Antibiotics</i> , 2021, 10, 702.	1.5	18
383	Improving Phage-Biofilm <i>In Vitro</i> Experimentation. <i>Viruses</i> , 2021, 13, 1175.	1.5	19
384	Terephthalohydrazido cross-linked chitosan hydrogels: synthesis, characterization and applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2022, 71, 969-982.	1.8	11
385	Biofilm Spreading by the Adhesin-Dependent Gliding Motility of <i>Flavobacterium johnsoniae</i> : 2. Role of Filamentous Extracellular Network and Cell-to-Cell Connections at the Biofilm Surface. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6911.	1.8	3
386	Biofilm and its implications postfracture fixation: All I need to know. <i>OTA International the Open Access Journal of Orthopaedic Trauma</i> , 2021, 4, e107.	0.4	2

#	ARTICLE	IF	CITATIONS
387	Poly(glycidyl methacrylate) macromolecular assemblies as biocompatible nanocarrier for the antimicrobial lysozyme. <i>International Journal of Pharmaceutics</i> , 2021, 603, 120695.	2.6	5
388	Case Report: Chronic Bacterial Prostatitis Treated With Phage Therapy After Multiple Failed Antibiotic Treatments. <i>Frontiers in Pharmacology</i> , 2021, 12, 692614.	1.6	27
389	Antimicrobial Peptides Derived From Insects Offer a Novel Therapeutic Option to Combat Biofilm: A Review. <i>Frontiers in Microbiology</i> , 2021, 12, 661195.	1.5	41
390	Dehydroabiatic Acid Microencapsulation Potential as Biofilm-Mediated Infections Treatment. <i>Pharmaceutics</i> , 2021, 13, 825.	2.0	5
391	Zeta potential beyond materials science: Applications to bacterial systems and to the development of novel antimicrobials. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183597.	1.4	51
392	The Use of Zwitterionic Methylmethacrylat Coated Silicone Inhibits Bacterial Adhesion and Biofilm Formation of <i>Staphylococcus aureus</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 686192.	2.0	6
393	Prion-like proteins: from computational approaches to proteome-wide analysis. <i>FEBS Open Bio</i> , 2021, 11, 2400-2417.	1.0	17
394	Searching for the Secret of Stickiness: How Biofilms Adhere to Surfaces. <i>Frontiers in Microbiology</i> , 2021, 12, 686793.	1.5	24
395	Combating Biofilms by a Self-Adapting Drug Loading Hydrogel. <i>ACS Applied Bio Materials</i> , 2021, 4, 6219-6226.	2.3	6
396	Evaluation of a strawberry fermented beverage with potential health benefits. <i>PeerJ</i> , 2021, 9, e11974.	0.9	9
397	Recent Applications of Retro-Inverso Peptides. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8677.	1.8	48
398	Gallium Porphyrin and Gallium Nitrate Reduce the High Vancomycin Tolerance of MRSA Biofilms by Promoting Extracellular DNA-Dependent Biofilm Dispersion. <i>ACS Infectious Diseases</i> , 2021, 7, 2565-2582.	1.8	10
399	Effects of lipid emulsions on the formation of <i>Escherichia coli</i> – <i>Candida albicans</i> mixed-species biofilms on PVC. <i>Scientific Reports</i> , 2021, 11, 16929.	1.6	2
400	Bacterial Skin Infections in Livestock and Plant-Based Alternatives to Their Antibiotic Treatment. <i>Animals</i> , 2021, 11, 2473.	1.0	10
401	Infective endocarditis caused by Enterobacteriaceae: phenotypic and molecular characterization of <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> in Rio de Janeiro, Brazil. <i>Brazilian Journal of Microbiology</i> , 2021, 52, 1887-1896.	0.8	3
402	Novel Micro-Nano Optoelectronic Biosensor for Label-Free Real-Time Biofilm Monitoring. <i>Biosensors</i> , 2021, 11, 361.	2.3	23
403	Association between biofilm-production and antibiotic resistance in <i>Escherichia coli</i> isolates: A laboratory-based case study and a literature review. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2021, , .	0.4	7
404	Comparison of Two <i>Cutibacterium acnes</i> Biofilm Models. <i>Microorganisms</i> , 2021, 9, 2035.	1.6	4

#	ARTICLE	IF	CITATIONS
406	Clinical Phage Microbiology: a suggested framework and recommendations for the in-vitro matching steps of phage therapy. <i>Lancet Microbe</i> , The, 2021, 2, e555-e563.	3.4	39
407	Survival of the fittest: Prokaryotic communities within a SWRO desalination plant. <i>Desalination</i> , 2021, 514, 115152.	4.0	6
408	Impacts of antibiotics on biofilm bacterial community and disinfection performance on simulated drinking water supply pipe wall. <i>Environmental Pollution</i> , 2021, 288, 117736.	3.7	19
409	Characterization of biosurfactants derived from probiotic lactic acid bacteria against methicillin-resistant and sensitive <i>Staphylococcus aureus</i> isolates. <i>LWT - Food Science and Technology</i> , 2021, 151, 112195.	2.5	11
410	Design, synthesis and antibacterial activity of chalcones against MSSA and MRSA planktonic cells and biofilms. <i>Bioorganic Chemistry</i> , 2021, 116, 105279.	2.0	10
411	Activation of the Two-Component System LisRK Promotes Cell Adhesion and High Ampicillin Tolerance in <i>Listeria monocytogenes</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 618174.	1.5	9
412	Antibiofilm peptides as a promising strategy: comparative research. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 1647-1656.	1.7	12
413	Exposure of <i>Salmonella</i> biofilms to antibiotic concentrations rapidly selects resistance with collateral tradeoffs. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 3.	2.9	42
414	The ecology of plasmid-coded antibiotic resistance: a basic framework for experimental research and modeling. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 586-599.	1.9	13
416	Alternative Therapies to Antibiotics to Combat Drug-Resistant Bacterial Pathogens. , 2019, , 193-212.		1
417	Pathogenesis and Drug Resistance of <i>Pseudomonas aeruginosa</i> . , 2020, , 227-256.		1
418	Is combined medication with natural medicine a promising therapy for bacterial biofilm infection?. <i>Biomedicine and Pharmacotherapy</i> , 2020, 128, 110184.	2.5	33
419	Low-level predation by lytic phage phiPLA-RODI promotes biofilm formation and triggers the stringent response in <i>Staphylococcus aureus</i> . <i>Scientific Reports</i> , 2017, 7, 40965.	1.6	51
420	Improved effect of amikacin-loaded poly(D,L-lactide-co-glycolide) nanoparticles against planktonic and biofilm cells of <i>Pseudomonas aeruginosa</i> . <i>Journal of Medical Microbiology</i> , 2017, 66, 137-148.	0.7	22
421	Mechanisms of ciprofloxacin resistance in <i>Pseudomonas aeruginosa</i> : new approaches to an old problem. <i>Journal of Medical Microbiology</i> , 2019, 68, 1-10.	0.7	137
422	Involvement of signal peptidase I in <i>Streptococcus sanguinis</i> biofilm formation. <i>Microbiology (United Kingdom)</i> Tj ETQq1 1 0,784314 rgBT /Over	0.7	0,7
427	Ecological Succession of Polymicrobial Communities in the Cystic Fibrosis Airways. <i>MSystems</i> , 2020, 5, .	1.7	32
428	Fragmentation modes and the evolution of life cycles. <i>PLoS Computational Biology</i> , 2017, 13, e1005860.	1.5	41

#	ARTICLE	IF	CITATIONS
429	Silver-Zinc Redox-Coupled Electroceutical Wound Dressing Disrupts Bacterial Biofilm. PLoS ONE, 2015, 10, e0119531.	1.1	56
430	Treatment of Oral Multispecies Biofilms by an Anti-Biofilm Peptide. PLoS ONE, 2015, 10, e0132512.	1.1	65
431	Using anti-biofilm peptides to treat antibiotic-resistant bacterial infections. Postdoc Journal, 2015, 3, 1-8.	0.4	12
432	Current Research Approaches to Target Biofilm Infections.. Postdoc Journal, 2015, 3, 36-49.	0.4	20
433	Bacteriophage Isolated from Sewage Eliminates and Prevents the Establishment of Escherichia Coli Biofilm. Advanced Pharmaceutical Bulletin, 2018, 8, 85-95.	0.6	22
434	Quorum Sensing Interfering Strategies and Their Implications in the Management of Biofilm-Associated Bacterial Infections. Brazilian Archives of Biology and Technology, 0, 63, .	0.5	16
435	Nano-biofilm Arrays as a Novel Universal Platform for Microscale Microbial Culture and High-Throughput Downstream Applications. Current Medicinal Chemistry, 2019, 26, 2529-2535.	1.2	3
436	Antibiotics Application Strategies to Control Biofilm Formation in Pathogenic Bacteria. Current Pharmaceutical Biotechnology, 2020, 21, 270-286.	0.9	22
437	Host Defence Cryptides from Human Apolipoproteins: Applications in Medicinal Chemistry. Current Topics in Medicinal Chemistry, 2020, 20, 1324-1337.	1.0	13
438	Recent Advances in Novel Antibacterial Development. , 2016, , 3-61.		4
439	Enzymes from carbohydrase group destroy biofilm matrix of gram-positive and gram-negative bacteria. Medical Alphabet, 2020, 4, 40-45.	0.0	4
441	Using Probiotics as Supplementation for Helicobacter pylori Antibiotic Therapy. International Journal of Molecular Sciences, 2020, 21, 1136.	1.8	86
442	In Vitro Activity of Taurine-5-Bromosalicylaldehyde Schiff Base Against Planktonic and Biofilm Cultures of Methicillin-Resistant Staphylococcus aureus. Journal of Microbiology and Biotechnology, 2014, 24, 1059-1064.	0.9	6
443	Isolation of a novel phage and targeting biofilms of drug-resistant oral enterococci. Journal of Global Infectious Diseases, 2020, 12, 11.	0.2	13
444	Biofilms and antibiotic susceptibility of multidrug-resistant bacteria from wild animals. PeerJ, 2018, 6, e4974.	0.9	19
445	Synergy between Indoloquinolines and Ciprofloxacin: An Antibiofilm Strategy against Pseudomonas aeruginosa. Antibiotics, 2021, 10, 1205.	1.5	7
446	Ecology of <i>Listeria monocytogenes</i> and <i>Listeria</i> species in India: the occurrence, resistance to biocides, genomic landscape and biocontrol. Environmental Microbiology, 2022, 24, 2759-2780.	1.8	4
447	Dermal fillers and biofilms: implications for aesthetic clinicians. Journal of Aesthetic Nursing, 2021, 10, 346-349.	0.0	1

#	ARTICLE	IF	CITATIONS
448	Biofilm: An Important Bacterial Feature Still to Deal With. <i>Journal of Life Sciences Research</i> , 2016, 3, 8-17.	0.2	6
449	Biofilm Formation by Drug Resistant Enterococci Isolates Obtained from Chronic Periodontitis Patients. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2017, 11, DC01-DC03.	0.8	15
450	Influence of subinhibitory concentrations of extracts from <i>Psidium cattleianum</i> (Sabine) and <i>Myracrodruon urundeuva</i> (Allemão) on mutants streptococci adhesion to glass and enamel surfaces.. <i>Archives of Health Investigation</i> , 2017, 6, .	0.0	0
451	Antimicrobial and Antibiofilm Activities of <i>Lentinus edodes</i> , <i>Lactarius deliciosus</i> , and <i>Ganoderma lucidum</i> . <i>Journal of Forestry Faculty of Kastamonu University</i> , 0, , 660-668.	0.1	5
452	Evaluation of the Formation of Single- and Double-Species Biofilms on Intraventricular Catheters by Strains of <i>Staphylococcus aureus</i> , <i>Listeria monocytogenes</i> and <i>Escherichia coli</i> with K1 Antigen. <i>Jundishapur Journal of Microbiology</i> , 2018, 11, .	0.2	0
453	Bioactive Compounds Extracted from the Pinto Bean Using Membrane Technology Inhibits Biofilm Formation of <i>Listeria monocytogenes</i> . <i>American Journal of Food Technology</i> , 2018, 14, 11-18.	0.2	0
455	Biofilm-Mediated Urinary Tract Infections. , 2019, , 177-213.		0
456	Biofilm and methods of its eradication. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2019, 73, 397-413.	0.1	0
457	Dispersion of bacterial biofilm and chronization of respiratory tract infection. <i>Zdrowie Rebenka</i> , 2019, 14, 337-342.	0.0	0
459	Microbial biofilms in the human: Diversity and potential significances in health and disease. , 2020, , 89-124.		1
461	Optically Accessible Microfluidic Flow Channels for Noninvasive High-Resolution Biofilm Imaging Using Lattice Light Sheet Microscopy. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12187-12196.	1.2	5
462	Capsicumicine, a New Bioinspired Peptide from Red Peppers Prevents Staphylococcal Biofilm In Vitro and In Vivo via a Matrix Anti-Assembly Mechanism of Action. <i>Microbiology Spectrum</i> , 2021, 9, e0047121.	1.2	2
463	NASAL CARRIAGE OF MULTI-DRUG RESISTANT PANTON VALENTINE LEUKOCIDIN POSITIVE STAPHYLOCOCCUS AUREUS IN HEALTHY INDIVIDUALS OF TUDUN-WADA, GOMBE STATE, NIGERIA. <i>African Journal of Infectious Diseases</i> , 2021, 15, 24-33.	0.5	4
464	Targeting bioenergetics is key to counteracting the drug-tolerant state of biofilm-grown bacteria. <i>PLoS Pathogens</i> , 2020, 16, e1009126.	2.1	13
465	Perspectives on Biomaterial-Associated Infection: Pathogenesis and Current Clinical Demands. , 2020, , 75-93.		1
466	Synergistic therapeutic actions of antimicrobial peptides to treat multidrug-resistant bacterial infection. <i>Reviews in Medical Microbiology</i> , 2021, 32, 83-89.	0.4	3
469	Combination effects of baicalin with levofloxacin against biofilm-related infections. <i>American Journal of Translational Research (discontinued)</i> , 2019, 11, 1270-1281.	0.0	1
471	Virulence Factors of Uropathogenic <i>Escherichia coli</i> . , 0, , .		0

#	ARTICLE	IF	CITATIONS
472	Investigation of topography effect on antibacterial properties and biocompatibility of nanohydroxyapatites activated with zinc and copper ions: In vitro study of colloids, hydrogel scaffolds and pellets. <i>Materials Science and Engineering C</i> , 2022, 134, 112547.	3.8	11
473	Antiseptic 9-Meric Peptide with Potency against Carbapenem-Resistant <i>Acinetobacter baumannii</i> Infection. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12520.	1.8	5
474	Lectinas antibacterianas e antibiofilmes de plantas - uma revisÃ£o. <i>Research, Society and Development</i> , 2021, 10, e70101522595.	0.0	2
475	Quorum Sensing Regulation as a Target for Antimicrobial Therapy. <i>Mini-Reviews in Medicinal Chemistry</i> , 2022, 22, 848-864.	1.1	2
476	Bacterial virulence factors: a target for heterocyclic compounds to combat bacterial resistance. <i>RSC Advances</i> , 2021, 11, 36459-36482.	1.7	13
477	Smectite, sepiolite, and palygorskite for inactivation of pyocyanin, a biotoxin produced by drug-resistant <i>Pseudomonas aeruginosa</i> . <i>Microporous and Mesoporous Materials</i> , 2022, 331, 111668.	2.2	6
478	Mechanism of berberine hydrochloride interfering with biofilm formation of <i>Hafnia alvei</i> . <i>Archives of Microbiology</i> , 2022, 204, 126.	1.0	1
479	Exploring <i>Staphylococcus aureus</i> Virulence Factors; Special Emphasis on Staphyloxanthin. <i>Microbiology and Biotechnology Letters</i> , 2021, , .	0.2	1
480	Environmental, Microbiological, and Immunological Features of Bacterial Biofilms Associated with Implanted Medical Devices. <i>Clinical Microbiology Reviews</i> , 2022, 35, e0022120.	5.7	43
481	Antibiotic Discovery and Resistance: The Chase and the Race. <i>Antibiotics</i> , 2022, 11, 182.	1.5	58
483	Role of biofiltration in the treatment of sewage. , 2022, , 411-438.		1
484	Chitosan Schiff bases/AgNPs: synthesis, characterization, antibiofilm and preliminary anti-schistosomal activity studies. <i>Polymer Bulletin</i> , 2022, 79, 11259-11284.	1.7	4
485	Formation, Development, and Cross-Species Interactions in Biofilms. <i>Frontiers in Microbiology</i> , 2021, 12, 757327.	1.5	28
486	Molecular Mechanisms of Antimicrobial Resistance in <i>Staphylococcus aureus</i> Biofilms. , 2022, , 291-314.		6
487	Enhancing proline-rich antimicrobial peptide action by homodimerization: influence of bifunctional linker. <i>Chemical Science</i> , 2022, 13, 2226-2237.	3.7	28
488	Chitin Nanocrystals: Environmentally Friendly Materials for the Development of Bioactive Films. <i>Coatings</i> , 2022, 12, 144.	1.2	21
489	Design and assessment of novel synthetic peptides to inhibit quorum sensing-dependent biofilm formation in <i>Pseudomonas aeruginosa</i> . <i>Biofouling</i> , 2022, 38, 131-146.	0.8	5
490	Beta adrenergic receptor antagonist can modify <i>Pseudomonas aeruginosa</i> biofilm formation in vitro: Implications for chronic wounds. <i>FASEB Journal</i> , 2022, 36, e22057.	0.2	4

#	ARTICLE	IF	CITATIONS
491	Identification of Distinct Characteristics of Antibiofilm Peptides and Prospection of Diverse Sources for Efficacious Sequences. <i>Frontiers in Microbiology</i> , 2021, 12, 783284.	1.5	10
492	Effects of biotic and abiotic factors on biofilm growth dynamics and their heterogeneous response to antibiotic challenge. <i>Journal of Biosciences</i> , 2020, 45, .	0.5	2
493	Colicin E2 Expression in <i>Escherichia Coli</i> Biofilms: Induction and Regulation Revisited. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
494	<i>In vitro</i> safety and antibacterial efficacy assessment of acriflavine. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 1917-1920.	2.7	0
495	Direct Lytic Agents: Novel, Rapidly Acting Potential Antimicrobial Treatment Modalities for Systemic Use in the Era of Rising Antibiotic Resistance. <i>Frontiers in Microbiology</i> , 2022, 13, 841905.	1.5	14
496	Recent Advances and Mechanistic Insights into Antibacterial Activity, Antibiofilm Activity, and Cytotoxicity of Silver Nanoparticles. <i>ACS Applied Bio Materials</i> , 2022, 5, 1391-1463.	2.3	69
497	High antimicrobial activity of lactoferricin-expressing <i>Bacillus subtilis</i> strains. <i>Microbial Biotechnology</i> , 2022, 15, 1895-1909.	2.0	3
498	Bacterial biofilm eradication and combating strategies. <i>Asia-Pacific Journal of Molecular Biology and Biotechnology</i> , 0, , 22-36.	0.2	2
499	Bacterial biofilms and their resistance mechanisms: a brief look at treatment with natural agents. <i>Folia Microbiologica</i> , 2022, 67, 535-554.	1.1	13
500	Thriving in Oxygen While Preventing ROS Overproduction: No Two Systems Are Created Equal. <i>Frontiers in Physiology</i> , 2022, 13, 874321.	1.3	3
501	Evaluation of the antimicrobial and anti-biofilm activity of novel salicylhydrazido chitosan derivatives impregnated with titanium dioxide nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2022, 205, 719-730.	3.6	18
502	<i>In vitro</i> efficacy of green synthesized ZnO nanoparticles against biofilm and virulence of <i>Serratia marcescens</i> . <i>Progress in Organic Coatings</i> , 2022, 166, 106781.	1.9	4
503	Biofilm control strategies in food industry: Inhibition and utilization. <i>Trends in Food Science and Technology</i> , 2022, 123, 103-113.	7.8	30
504	Bioengineering of green-synthesized silver nanoparticles: <i>In vitro</i> physicochemical, antibacterial, biofilm inhibitory, anticoagulant, and antioxidant performance. <i>Talanta</i> , 2022, 243, 123374.	2.9	68
505	Selective drivers of simple multicellularity. <i>Current Opinion in Microbiology</i> , 2022, 67, 102141.	2.3	29
506	Antimicrobial peptides isolated from insects and their potential applications. <i>Journal of Asia-Pacific Entomology</i> , 2022, 25, 101892.	0.4	11
508	Lactoferricin-inspired peptide AMC-109 augments the effect of ciprofloxacin against <i>Pseudomonas aeruginosa</i> biofilm in chronic murine wounds. <i>Journal of Global Antimicrobial Resistance</i> , 2022, 29, 185-193.	0.9	3
510	Colonization of gut microbiota by plasmid-carrying bacteria is facilitated by evolutionary adaptation to antibiotic treatment. <i>ISME Journal</i> , 2022, 16, 1284-1293.	4.4	18

#	ARTICLE	IF	CITATIONS
511	Screening for Biofilm-Stimulating Factors in the Freshwater Planctomycete <i>Planctopirus limnophila</i> to Improve Sessile Growth in a Chemically Defined Medium. <i>Microorganisms</i> , 2022, 10, 801.	1.6	1
534	Physicochemical and Biological Insights Into the Molecular Interactions Between Extracellular DNA and Exopolysaccharides in <i>Myxococcus xanthus</i> Biofilms. <i>Frontiers in Microbiology</i> , 2022, 13, 861865.	1.5	1
535	Socialization of <i>Providencia stuartii</i> Enables Resistance to Environmental Insults. <i>Microorganisms</i> , 2022, 10, 901.	1.6	1
536	Quorum sensing modulation and inhibition in biofilm forming foot ulcer pathogens by selected medicinal plants. <i>Heliyon</i> , 2022, 8, e09303.	1.4	6
537	Autonomous Treatment of Bacterial Infections <i>in Vivo</i> Using Antimicrobial Micro- and Nanomotors. <i>ACS Nano</i> , 2022, 16, 7547-7558.	7.3	48
538	Activity of Antibiotics and Potential Antibiofilm Agents against Biofilm-Producing <i>Mycobacterium avium-intracellulare</i> Complex Causing Chronic Pulmonary Infections. <i>Antibiotics</i> , 2022, 11, 589.	1.5	3
539	The Role of Antimicrobial Peptides as Antimicrobial and Antibiofilm Agents in Tackling the Silent Pandemic of Antimicrobial Resistance. <i>Molecules</i> , 2022, 27, 2995.	1.7	15
540	Microbial Resistance to Antibiotics and Effective Antibiotherapy. <i>Biomedicines</i> , 2022, 10, 1121.	1.4	20
541	Derivatives of Esculentin-1 Peptides as Promising Candidates for Fighting Infections from <i>Escherichia coli</i> O157:H7. <i>Antibiotics</i> , 2022, 11, 656.	1.5	2
542	Understanding the Mechanisms That Drive Phage Resistance in <i>Staphylococci</i> to Prevent Phage Therapy Failure. <i>Viruses</i> , 2022, 14, 1061.	1.5	15
543	Design and Antibacterial Mechanism of Peptides Derived from Sakacin P. <i>Russian Journal of Bioorganic Chemistry</i> , 2022, 48, 399-410.	0.3	0
544	Identification of Protein Drug Targets of Biofilm Formation and Quorum Sensing in Multidrug Resistant <i>Enterococcus faecalis</i> . <i>Current Protein and Peptide Science</i> , 2022, 23, 248-263.	0.7	2
545	Phytochemically stabilized chitosan encapsulated Cu and Ag nanocomposites to remove cefuroxime axetil and pathogens from the environment. <i>International Journal of Biological Macromolecules</i> , 2022, 212, 451-464.	3.6	18
546	In situ real-time investigation of <i>Staphylococcus aureus</i> on hemisphere-patterned polyurethane films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 216, 112577.	2.5	3
547	<i>E. coli</i> biofilm formation and its susceptibility towards T4 bacteriophages studied in a continuously operating mixing tubular bioreactor system. <i>Microbial Biotechnology</i> , 0, , .	2.0	4
548	Anti-Biofilm and Associated Anti-Virulence Activities of Selected Phytochemical Compounds against <i>Klebsiella pneumoniae</i> . <i>Plants</i> , 2022, 11, 1429.	1.6	11
549	Biofilm characteristics and transcriptomic profiling of <i>Acinetobacter johnsonii</i> defines signatures for planktonic and biofilm cells. <i>Environmental Research</i> , 2022, 213, 113714.	3.7	7
551	Development of Antibiofilm Substances by Endophytic Microorganisms with an Emphasis on Medicine. , 0, , .		1

#	ARTICLE	IF	CITATIONS
552	Quorum Quenching-Guided Inhibition of Mixed Bacterial Biofilms and Virulence Properties by Protein Derived From Leaves of <i>Carissa carandas</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	2
553	The microbicidal potential of visible blue light in clinical medicine and public health. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	7
554	<i>Stevia Rebaudiana</i> fraction presents broad-spectrum antibacterial action and antibiofilm action for <i>Staphylococcus aureus</i> / Fração de <i>Stevia Rebaudiana</i> apresenta ação antibacteriana de amplo espectro e ação antibiótica para <i>Staphylococcus aureus</i> . <i>Brazilian Journal of Development</i> , 2022, 8, 49529-49541.	0.0	0
555	Activity of Essential Oils Against Multidrug-Resistant <i>Salmonella enteritidis</i> . <i>Current Microbiology</i> , 2022, 79, .	1.0	4
556	5-Methylindole kills various bacterial pathogens and potentiates aminoglycoside against methicillin-resistant <i>Staphylococcus aureus</i> . <i>PeerJ</i> , 0, 10, e14010.	0.9	2
557	Cold Plasma Therapy As a Physical Antibiofilm Approach. <i>Springer Series on Biofilms</i> , 2022, , 225-261.	0.0	0
558	Advancements in antimicrobial nanoscale materials and self-assembling systems. <i>Chemical Society Reviews</i> , 2022, 51, 8696-8755.	18.7	23
559	Biofilm formation, antibiotic resistance and genotyping of Shiga toxin-producing <i>Escherichia coli</i> isolated from retail chicken meats. <i>British Poultry Science</i> , 2023, 64, 63-73.	0.8	1
560	What makes another life possible in bacteria? Global regulators as architects of bacterial biofilms. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, .	1.7	6
561	Role of <i>Staphylococcus aureus</i> Formate Metabolism during Prosthetic Joint Infection. <i>Infection and Immunity</i> , 2022, 90, .	1.0	11
562	Dynamic Intramolecular Cap for Preserving Metallodrug Integrity – A Case of Catalytic Fluoroquinolones. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 14049-14065.	2.9	2
563	Antibiofilm and Antivirulence Activities of Gold and Zinc Oxide Nanoparticles Synthesized from Kimchi-Isolated <i>Leuconostoc</i> sp. Strain C2. <i>Antibiotics</i> , 2022, 11, 1524.	1.5	16
564	Bacterial biofilm and extracellular polymeric substances in the treatment of environmental pollutants: Beyond the protective role in survivability. <i>Journal of Cleaner Production</i> , 2022, 379, 134759.	4.6	45
565	Colicin E2 expression in <i>Escherichia coli</i> biofilms: Induction and regulation revisited. <i>Current Research in Microbial Sciences</i> , 2022, 3, 100171.	1.4	0
566	Nanoparticles for Antimicrobial Agents Delivery – An Up-to-Date Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13862.	1.8	13
567	Biological properties of <i>Schinus terebinthifolia</i> Raddi essential oil. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 0, 58, .	1.2	0
568	Overcoming Antibiotic Resistance with Novel Paradigms of Antibiotic Selection. <i>Microorganisms</i> , 2022, 10, 2383.	1.6	7
569	Human Milk Oligosaccharides as Potential Antibiofilm Agents: A Review. <i>Nutrients</i> , 2022, 14, 5112.	1.7	5

#	ARTICLE	IF	CITATIONS
570	BCM3D 2.0: accurate segmentation of single bacterial cells in dense biofilms using computationally generated intermediate image representations. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, .	2.9	5
571	ÄçeÄyitli gÄ±da Ärnekleri ve kesimhanelerden izole edilen bazÄ± patojen bakterilerin biyofilm oluÅturma yeteneÄinin araÅtırÄ±lmasÄ±. <i>Journal of Advances in VetBio Science and Techniques</i> , 2022, 7, 338-345.	0.1	3
572	GC-MS Analysis and Microbiological Evaluation of Caraway Essential Oil as a Virulence Attenuating Agent against <i>Pseudomonas aeruginosa</i> . <i>Molecules</i> , 2022, 27, 8532.	1.7	6
573	Predictive Molecular Design and Structureâ€“Property Validation of Novel Terpene-Based, Sustainably Sourced Bacterial Biofilm-Resistant Materials. <i>Biomacromolecules</i> , 2023, 24, 576-591.	2.6	2
574	Therapeutic Strategies against Biofilm Infections. <i>Life</i> , 2023, 13, 172.	1.1	14
575	Novel Functionalized Ti6Al4V Scaffold for Preventing Infection and Promoting Rapid Osseointegration. <i>Materials and Design</i> , 2023, , 111612.	3.3	1
576	Self-Assembly of Antimicrobial Peptide-Based Micelles Breaks the Limitation of Trypsin. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 494-510.	4.0	10
577	<i>Pseudomonas putida</i> biofilm: development and dynamics. , 2022, , 25-49.		0
578	Microbiota characterization of atmospheric cold plasma treated blueberries. <i>LWT - Food Science and Technology</i> , 2023, 180, 114720.	2.5	3
579	Inhibiting bacterial biofilm formation by stimulating c-di-GMP regulation using citrus peel extract from Jeju Island. <i>Science of the Total Environment</i> , 2023, 872, 162180.	3.9	8
580	Triclocarban-contaminated wastewater treatment by innovative hybrid moving entrapped bead activated sludge reactor (HyMER): Continuous performance and computational dynamic simulation analysis. <i>Science of the Total Environment</i> , 2023, 879, 163037.	3.9	0
581	Anthraquinoneâ€“Based Ligands as MNase Inhibitors: Insights from Inhibition Studies and Generation of a Payload Nanocarrier for Potential Antiâ€“MRSA Therapy. <i>ChemMedChem</i> , 2023, 18, .	1.6	1
582	Collagen hydrogel with multiple antimicrobial mechanisms as anti-bacterial wound dressing. <i>International Journal of Biological Macromolecules</i> , 2023, 232, 123413.	3.6	14
583	Short-Term Outcomes of Phage-Antibiotic Combination Treatment in Adult Patients with Periprosthetic Hip Joint Infection. <i>Viruses</i> , 2023, 15, 499.	1.5	8
584	<i>Cutibacterium acnes</i> in breast implants: an underestimated bacterial infection and review of the literature. <i>Journal of Surgical Case Reports</i> , 2023, 2023, .	0.2	1
585	Advanced delivery systems for peptide antibiotics. <i>Advanced Drug Delivery Reviews</i> , 2023, 196, 114733.	6.6	12
586	Glycerol Droplet Spreading on Growing <i>Bacillus Subtilis</i> Biofilms. <i>Micromachines</i> , 2023, 14, 599.	1.4	0
587	Current Approaches to Antimicrobial Formulations and their Delivery. , 2023, , 304-338.		0

#	ARTICLE	IF	CITATIONS
588	Anti-Bacterial and Anti-Biofilm Activities of Anandamide against the Cariogenic <i>Streptococcus mutans</i> . <i>International Journal of Molecular Sciences</i> , 2023, 24, 6177.	1.8	1
589	Action of antibacterial drugs to the biofilm form of microorganisms, which were isolated from children with community-acquired pneumonia. <i>Medicina SEĀogodnĀ- Ā- Zavtra</i> , 2020, 89, 4-12.	0.0	0
590	Bestatin as a treatment modality in experimental periodontitis. <i>Journal of Periodontology</i> , 0, , .	1.7	0
591	Controlling the structure of supramolecular fibre formation for benzothiazole based hydrogels with antimicrobial activity against methicillin resistant <i>Staphylococcus aureus</i> . <i>Journal of Materials Chemistry B</i> , 2023, 11, 3958-3968.	2.9	2
592	Complex Networks Analyses of Antibiofilm Peptides: An Emerging Tool for Next-Generation Antimicrobialsâ€™ Discovery. <i>Antibiotics</i> , 2023, 12, 747.	1.5	2
600	Microneedles: a novel strategy for wound management. <i>Biomaterials Science</i> , 2023, 11, 4430-4451.	2.6	7
610	Case report: Successful treatment of recurrent <i>E. coli</i> infection with bacteriophage therapy for patient suffering from chronic bacterial prostatitis. <i>Frontiers in Pharmacology</i> , 0, 14, .	1.6	0
616	Accelerating the Discovery and Design of Antimicrobial Peptides with Artificial Intelligence. <i>Methods in Molecular Biology</i> , 2024, , 329-352.	0.4	4
621	Acylated and non-acylated anthocyanins as antibacterial and antibiofilm agents. , 2023, 3, .		1
623	Antibiotic Resistant Biofilms and the Quest for Novel Therapeutic Strategies. <i>Indian Journal of Microbiology</i> , 0, , .	1.5	0